

description; he has also recorded the dates on which auroras were observed, but it is not known whether they were always looked for and recorded. The aurora dates are as follows: October, none; November, none; December, 1894, 21; January, 1895, none; February, 1, 2, 15, 16, 27; March, 18; April, none; May, none. The original record of *minus* 11 as the

minimum temperature on the 4th of April, 1895, has been changed to *plus* 11 by the Editor, as it seemed incredible that the abnormal diurnal range of 37° could have occurred on a cloudy night with a light breeze. The record ".... 3" for the wind at 9 p. m., December 26, 1894, has been changed to "e., 3."

METEOROLOGICAL TABLES.

By A. J. HENRY, Chief of Division of Records and Meteorological Data.

Table I gives, for about 130 Weather Bureau stations making two observations daily and for about 20 others making only the 8 p. m. observation, the data ordinarily needed for climatological studies, viz, the monthly mean pressure, the monthly means and extremes of temperature, the average conditions as to moisture, cloudiness, movement of the wind, and the departures from normals in the case of pressure, temperature, and precipitation.

Table II gives, for about 2,400 stations occupied by voluntary observers, the extreme maximum and minimum temperatures, the mean temperature deduced from the average of all the daily maxima and minima, or other readings, as indicated by the numeral following the name of the station; the total monthly precipitation, and the total depth in inches of any snow that may have fallen. When the spaces in the snow column are left blank it indicates that no snow has fallen, but when it is possible that there may have been snow of which no record has been made, that fact is indicated by leaders, thus (....).

Table III gives, for about 30 Canadian stations, the mean pressure; mean temperature, total precipitation, prevailing wind, and the respective departures from normal values. Reports from Newfoundland and Bermuda are included in this table for convenience of tabulation.

Table IV gives, for 82 stations, the mean hourly temperatures deduced from thermographs of the pattern described and figured in the Report of the Chief of the Weather Bureau, 1891-'92, p. 29.

Table V gives, for 67 stations, the mean hourly pressures as automatically registered by Richard barographs, except for Washington, D. C., where Foreman's barograph is in use. Both instruments are described in the Report of the Chief of the Weather Bureau, 1891-'92, pp. 26 and 30.

Table VI gives, for 136 stations, the arithmetical means of the hourly movements of the wind ending with the respective hours, as registered automatically by the Robinson anemometer, in conjunction with an electrical recording mechanism, described and illustrated in the Report of the Chief of the Weather Bureau, 1891-'92, p. 19.

Table VII gives the danger points, the highest, lowest, and

mean stages of water in the rivers at cities and towns on the principal rivers; also the distance of the station from the river mouth along the river channel.

Table VIII gives the maximum, minimum, and mean readings of the wet-bulb thermometer for 135 stations, as determined by observations of the whirled psychrometer at 8 a. m. and 8 p. m., daily.

The difference between mean local time and seventy-fifth meridian time is also given in the table.

Table IX gives, for all stations that make observations at 8 a. m. and 8 p. m., the four component directions and the resultant directions based on these two observations only and without considering the velocity of the wind. The total movement for the whole month, as read from the dial of the Robinson anemometer, is given for each station in Table I. By adding the four components for the stations comprised in any geographical division one may obtain the average resultant direction for that division.

Table X gives the total number of stations in each State from which meteorological reports of any kind have been received, and the number of such stations reporting thunderstorms (T) and auroras (A) on each day of the current month.

Table XI gives, for 42 stations, the percentages of hourly sunshine as derived from the automatic records made by two essentially different types of instruments, designated, respectively, the thermometric recorder and the photographic recorder. The kind of instrument used at each station is indicated in the table by the letter T or P in the column following the name of the station.

Table XII gives the records of hourly precipitation as reported by stations equipped with automatic gauges, of which 37 are known as float gauges and 7 as weighing rain and snow gauges.

Table XIII gives the record of excessive precipitation at all stations from which reports are received.

Table XIV gives a record of the heaviest rainfalls for periods of five and ten minutes and one hour, as reported by regular stations of the Weather Bureau furnished with self-registering rain gauges.

Additional information concerning the tables will be found in the January, 1895, REVIEW.

TABLE I.—Climatological data for Weather Bureau Stations, July, 1895.

Stations.	Elevation above sea-level, feet.	Length of record, years.	Pressure in inches.		Temperature of the air, in degrees Fahrenheit.				Humidity and precipitation.				Wind.		Cloudy days.		Average cloudiness, tenths.		Monthly temperature data since opening station.												
			Mean pressure, 8 a.m. and 8 p.m. + 2.	Mean reduced.	Departure from normal.	Mean max. and min. + 2.	Departure from normal.	Maximum.	Date.	Mean minimum.	Greatest daily range.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Departure from normal.	Total movement, miles.	Miles per hour.	Direction.	Date.	Year.	Absolute minimum.	Year.										
New England.																															
Eastport.	76	29	29.85	29.94	+ .02	59.4	- 1.9	73	21	52	52	24	81	4.60	+ 0.9	28	5	20	6	5.8	91	1894	45	*							
Portland, Me.	103	24	29.81	29.91	- .01	65.5	- 2.5	80	21	32	32	24	53	3.17	- 1.1	11	13	6.5	57	27	48	1886									
Northfield.	872	9	29.95	29.95	+ .01	63.7	- 1.5	82	21	32	32	24	54	3.33	- 0.1	13	10	6.0	92	27	38	*									
Boston.	125	35	29.82	29.95	+ .01	69.3	- 2.5	82	21	32	32	24	55	3.40	- 0.6	15	12	6.2	101	1890	46	1874									
Nantucket.	14	9	29.96	29.97	+ .01	64.4	- 1.4	82	21	32	32	24	56	3.29	- 0.6	12	10	5.2	92	48	1891										
Woods Hole.		18				67.0	- 1.2	82	21	32	32	24	57	3.97	- 0.6	12	13	6	4.5	90	1876	51	1879								
Vineyard Haven.		9				69.4	- 2.0	82	21	32	32	24	58	4.37	- 0.5	13	10	6	5.6	88	1892	52	1895								
Block Island.	27	15	29.94	29.97	+ .00	66.8	- 2.0	82	21	32	32	24	59	4.42	- 1.1	9	8.506	43	ne.	4	21	6	10	*							
Narragansett Pier.		14				67.6	- 1.2	82	21	32	32	24	60	4.57	- 0.5	13	10	6	5.6	92	1892	42	*								
New Haven.	107	23	29.84	29.95	+ .03	69.0	- 2.3	82	21	32	32	24	61	4.97	- 1.3	11	7.619	sw.	30	s.	4	21	10	10							
New London.	45	25	29.98	29.98	+ .01	68.1	- 2.3	82	21	32	32	24	62	5.37	- 1.6	11	12	8	5.2	92	1892	49	1890								
Mid. Atlan. States.						72.9	- 5.1						63	5.83	- 0.5	13	10	6	5.8	91	1892	51	1879								
Albany.	85	22	29.87	29.96	+ .03	70.4	- 2.6	90	20	80	80	24	64	4.02	- 0.0	12	4.854	s.	25	se.	5	11	13	7	4.8	98	1890	48	1890		
New York.	314	25	29.64	29.97	+ .01	70.8	- 3.0	90	21	82	82	24	65	4.40	- 0.2	14	12	8	5.4	99	1892	55	1895								
Harrisburg.	377	7	29.59	29.99	+ .04	71.4	- 1.5	92	21	82	82	24	66	4.16	- 3.1	16	4.325	w.	30	w.	25	10	6	10	4.6	98	1892	50	1890		
Philadelphia.	117	25	29.86	29.98	+ .01	73.2	- 2.9	92	21	82	82	24	67	3.23	- 1.1	11	6.706	nw.	28	sw.	11	10	5	10	5.1	101	1892	54	*		
New Brunswick.		9				70.8	- 2.7	92	21	82	82	24	68	4.24	- 0.5	12	13	8	4.8	101	1891	49	1891								
Baltimore.	170	25	29.80	29.99	+ .01	73.1	- 5.5	92	21	82	82	24	69	3.40	- 1.5	9	4.541	nw.	35	sw.	27	14	9	8	4.3	102	1887	55	*		
Washington.	112	25	29.88	30.00	+ .01	72.8	- 4.8	92	21	82	82	24	70	3.45	- 0.2	14	3.655	sw.	36	sw.	29	14	7	10	4.5	103	1887	52	1895		
Cape Henry.		685	25	29.90	30.02	+ .03	74.8	- 1.9	92	21	82	82	24	71	2.94	- 0.8	13	2.226	sw.	22	sw.	15	16	7	11	5.1	102	1887	54	*	
Norfolk.	57	25	29.94	30.00	+ .01	76.4	- 2.7	92	21	82	82	24	72	4.35	- 1.5	14	5.260	ne.	30	sw.	9	13	7	11	5.1	102	1892	57	1892		
S. Atlantic States.						79.0	- 1.6						73	6.55	- 0.3	13	12	8	4.274	sw.	22	sw.	1	11	15	5	4.5	102	1887	55	1891
Charlotte.	773	17	29.22	30.02	+ .01	77.0	- 1.1	92	19	86	86	24	74	2.94	- 3.1	8	4.274	sw.	22	sw.	1	11	15	5	4.5	102	1887	55	1891		
Hatteras.	115	21	30.02	30.03	+ .00	76.8	- 1.1	92	19	86	86	24	75	7.62	- 1.5	13	8.970	sw.	34	sw.	25	13	13	5	4.5	92	1891	61	1886		
Kittyhawk.	9	21	30.00	30.01	+ .01	76.3	- 2.3	92	19	86	86	24	76	6.50	- 0.9	10	9.555	ne.	45	sw.	24	14	6	11	5	4.5	107	1887	58	1892	
Raleigh.		388	9	29.82	30.02	+ .02	76.4	- 1.9	92	19	86	86	24	77	7.08	- 0.8	15	3.371	sw.	31	nw.	15	12	10	5	5.3	103	1887	54	1892	
Wilmington.	72	25	29.93	30.03	+ .02	73.2	- 1.9	92	19	86	86	24	78	4.82	- 2.5	12	5.647	sw.	30	sw.	24	14	4	9	4.4	103	1892	58	1890		
Charleston.		52	25	30.03	30.07	+ .03	81.5	- 0.6	92	19	86	86	24	79	6.46	- 0.9	13	5.739	sw.	26	sw.	20	12	5	10	4.8	104	1891	64	1894	
Columbia.		9				79.8	- 1.5	92	19	86	86	24	80	5.50	- 0.3	13	8.506	sw.	42	w.	8	13	12	6	4.5	105	1878	60	1894		
Augusta.	180	24	29.85	30.04	+ .03	80.2	- 2.0	92	19	86	86	24	81	9.06	- 3.9	18	4.976	sw.	30	nw.	8	8	19	4	4.8	105	1879	64	1891		
Savannah.	26	25	29.92	30.06	+ .01	81.6	- 1.9	92	19	86	86	24	82	11.21	- 4.6	16	5.467	sw.	30	sw.	1	27	8	5.7	104	1879	66	*			
Jacksonville.	43	24	30.03	30.08	+ .03	81.8	- 0.8	92	19	86	86	24	83	12.11	- 4.6	16	5.467	sw.	30	sw.	1	27	8	5.7	104	1879	66	*			
Florida Peninsula.						81.6	- 1.1						84	5.49	- 1.4	13	8.976	sw.	25	sw.	9	13	3	4.9	105	1889	68	1895			
Jupiter.	28	8	30.08	30.11	+ .01	81.1	- 1.2	92	19	86	86	24	85	5.26	- 0.5	14	8.371	s.	25	sw.	9	8	19	4	4.9	100	1891	68	1893		
Key West.		32	25	30.10	30.19	+ .06	86.6	- 1.1	92	19	86	86	24	86	9.62	- 3.8	13	8.452	w.	24	sw.	9	10	9	11	5	4.107	1891	61	1882	
Tampa.		36	24	30.07	30.11	+ .03	81.0	- 1.3	92	19	86	86	24	87	10.03	- 0.3	12	8.453	w.	24	sw.	10	5	9.5	95	1893	65	1890			
Titusville.	44	9	30.07	30.11	+ .01	80.8	- 1.3	92	19	86	86	24	88	10.33	- 0.7	17	6.849	sw.	47	sw.	9	13	17	1	4.4	99	1887	66	1893		
East Gulf States.						80.8	- 0.6						89	4.35	- 1.8	12	5.799	nw.	36	sw.	6	11	11	9	5	5.100	1887	58	*		
Atlanta.	1,181	17	28.89	30.05	+ .02	77.0	- 1.4	92	19	85	85	24	90	5.23	- 1.5	18	6.151	nw.	49	sw.	17	11	12	8	5.1	99	1887	64	1882		
Pensacola.	56	16	30.01	30.07	+ .02	81.0	- 0.7	92	19	85	85	24	91	5.23	- 1.9	18	4.939	sw.	32	sw.	9	15	15	7	11	101	1891	64	1883		
Mobile.	57	25	30.01	30.07	+ .02	81.2	- 1.0	92	19	85	85	24	92	5.43	- 1.9	18	4.902	sw.	36	sw.	1	11	9	11	5	4.107	1891	61	1882		
Montgomery.	221	24	29.82	30.05	+ .01	81.2	- 1.0	92	19	85	85	24	93	5.47	- 0.8	18	6.002	nw.	24	sw.	9	12	10	6	5	100	1891	60	*		
Meridian.	358	6	29.67	30.04	+ .02	80.0	- 0.9	92	19	85	85	24	94	6.92	- 0.1	18	3.374	sw.	28	s.	7	14	15	9	5	98	1894	60	*		
Vicksburg.	254	24	29.76	30.02	+ .02	81.0	- 0.9	92	19	85	85	24	95	7.46	- 1.7	18	4.437	sw.	25	sw.	7	14	15	9	5	3.200	1891	58	*		
New Orleans.	54	25	30.01	30.07	+ .04	81.9	- 0.7	92	19	85	85	24	96	6.07	- 0.4	15	5.089	s.	36	ne.	9	17	10	9	5	3.8	99	1894	67	1894	
Port Eads.	8					82.7	- 2.1	92	19	85	85	24	97	8.27	- 2.1	11	2.805	e.	26	sw.	2	21	5	10	5	4.8	100	1894	59	1878	

TABLE I.—Climatological data for Weather Bureau Stations, July, 1895—Continued.

Stations.	Elevation above sea-level, feet.	Length of record, years	Pressure, in inches.		Temperature of the air, in degrees Fahrenheit.				Humidity and precipitation.			Wind.		Monthly temperature data since opening station.										
			Mean pressure, a.m. and 8 p.m., +2.	Mean reduced.	Departure from normal.	Mean max. and min. +2.	Departure from normal.	Maximum.	Date.	Mean minimum.	Greatest daily range.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Departure from normal.	Total movement, miles.	Miles per hour.	Party cloudy days.							
															Average cloudiness, tenths.	Absolute maximum.	Absolute minimum.	Year.						
Up. Miss. Val.—Con																								
Dubuque	23	29.35	29.98	+ .01	74.4 + 0.1	98	78	40	9	62	37	3.00	1.9	7	s.	34	15	101	*	40 1895				
Keokuk	613	24	29.35	29.98	+ .01	73.8 - 3.4	96	16	84	54	41	60	5.46	1.2	10	n.	34	16	5	4.7	104 1890			
Cairo	350	25	29.62	30.00	+ .01	76.0 - 3.0	93	16	83	60	31	69	5.97	- 2.8	18	s.	34	15	12	6.8	99 1891			
Springfield, Ill.	644	17	29.34	29.00	- .00	73.4 - 3.8	84	16	88	54	31	64	5.59	- 3.2	12	s.	32	27	9	4.9	102 1870			
Hannibal	534	29	29.43	29.98	- .00	73.6 - 3.6	95	16	82	53	11	65	5.33	- 4.0	13	s.	36	19	16	5	4.3	1891		
St. Louis	571	25	29.45	30.02	+ .03	76.1 - 3.1	96	16	85	60	31	68	5.01	- 4.0	13	s.	39	29	10	8	5.8	104 1881		
<i>Missouri Valley.</i>																								
Columbus	6	74.5 - 1.7	90	10	16	85	50	11	64	31	.....	4.93	- 0.1	11	s.	24	14	6	6.6	105 1894			
Kansas City	963	25	29.01	30.00	+ .03	74.2 - 4.3	95	16	82	54	11	66	5.67	- 5.8	10	n.	35	17	11	5.8	102 1890			
Springfield, Mo.	1,324	9	28.63	30.00	+ .02	73.0 - 5.0	91	16	80	59	9	66	5.22	- 3.3	18	s.	36	13	12	6.2	99 1891			
Topeka	9	75.0 - 2.0	93	15	16	85	53	11	65	33	67	5.80	- 3.3	18	s.	34	27	9	5.1	102 1887				
Omaha	1,123	25	29.89	29.98	+ .01	74.3 - 2.8	90	16	84	50	9	64	5.23	- 4.4	12	e.	23	1	104	50 1895				
Sioux City	1,165	7	28.75	29.95	+ .01	72.4 - 2.8	87	25	85	41	29	60	5.33	- 3.9	8	s.	28	11	13	5.1	108 1894			
Pierre	1,470	21	28.34	29.90	- .01	73.4 - 1.7	90	22	86	41	54	61	2.63	- 4.0	4	n.	48	29	9	4.8	107 1894			
Huron	1,310	15	28.58	29.98	- .01	71.2 - 1.0	101	15	86	43	9	56	4.49	- 6.3	6	e.	45	14	15	4.1	110 1886			
<i>Northern Slope.</i>																								
Havre	2,477	15	27.35	29.88	- .00	65.5 - 2.4	95	8	79	36	20	52	4.40	- 5.0	62	s.	22	11	10	3.8	103 1886			
Miles City	2,374	18	27.45	29.85	- .00	71.2 - 2.5	97	9	85	42	8	57	3.86	- 4.9	50	n.	50	18	6	3.8	109 1881			
Helena	4,108	16	25.87	29.06	+ .05	65.2 - 0.8	94	2	78	42	9	54	3.35	- 3.7	49	s.	36	18	9	3.3	103 1886			
Rapid City	3,280	10	26.63	29.89	- .02	70.0 - 0.7	96	4	76	47	10	57	3.87	- 4.5	43	s.	37	12	6	4.5	106 1881			
Cheyenne	6,105	23	24.12	29.93	+ .04	63.0 - 5.4	95	25	76	40	8	51	4.0	- 4.6	59	w.	34	25	6	5.5	100 1881			
Lander	5,377	8	24.70	29.94	- .02	63.6 - 5.8	91	26	79	36	7	45	4.44	- 4.0	48	s.	42	10	17	4.7	99 1888			
North Platte	2,826	21	27.12	29.97	+ .04	67.0 - 3.1	97	15	87	43	9	56	4.49	- 5.3	52	s.	28	13	14	4.5	107 1877			
<i>Middle Slope.</i>																								
Denver	5,287	24	24.85	29.97	+ .10	67.4 - 5.4	95	15	87	45	10	56	3.44	- 4.6	56	s.	36	15	18	9	5.1	102 1874		
Pueblo	1,734	8	25.24	29.97	- .01	69.7 - 4.8	93	16	83	49	11	56	3.71	- 4.7	59	n.	20	13	10	4.7	103 1886			
Concordia	1,410	11	28.58	29.96	+ .01	76.2 - 9.0	103	16	88	46	9	63	3.55	- 3.7	61	s.	26	9	16	6.4	104 1894			
Dodge City	2,504	21	27.41	29.93	- .02	74.0 - 4.5	97	18	84	53	1	64	3.47	- 4.0	63	d.	37	20	15	3	4.2	108 1876		
Wichita	1,351	8	28.56	29.95	- .02	76.6 - 5.8	90	21	87	55	* 67	59	3.66	- 4.0	64	s.	37	11	13	4.6	104 1894			
Oklahoma	1,239	5	28.72	29.99	- .00	78.3 - 3.9	100	7	87	59	11	70	26	70	s.	48	7	14	13	4.2	104 1891			
<i>Southern Slope.</i>																								
Abilene	1,749	10	29.20	29.98	+ .02	79.5 - 3.9	98	6	88	62	11	70	24	66	70	s.	34	8	10	13	5.2	110 1896		
Amarillo	3,691	25	26.31	29.96	- .02	72.5 - 2.5	94	5	82	54	11	63	30	69	71	n.	44	8	8	9	5.3	100 1891		
<i>Southern Plateau.</i>																								
El Paso	8,767	18	26.20	29.89	+ .02	79.6 - 4.1	100	7	91	62	1	68	32	58	50	s.	44	10	9	16	6.4	112 1886		
Santa Fe	6,998	22	28.39	29.96	+ .02	66.2 - 2.0	98	7	77	48	12	56	39	38	49	s.	37	8	17	10	5.2	96 1878		
Tucson	3,300	18	29.45	29.95	- .01	79.3 - 3.0	101	27	85	55	* 67	59	66	61	71	s.	37	15	20	7	4.6	104 1891		
Yuma	141	20	29.63	29.77	- .03	89.2 - 2.8	113	16	105	67	1	74	39	57	41	t.	45	21	27	4	0	111 1876		
Independence	3,884	25	27.97	29.82	- .03	78.0 - 2.0	99	25	91	54	31	63	34	38	18	s.	38	19	18	6	3.8	100 1879		
<i>Middle Plateau.</i>																								
Carson City	4,720	8	25.30	29.93	- .00	66.6 - 1.1	89	32	82	42	35	51	43	33	33	w.	30	31	0	0	1.1	100 1889		
Winnebago	4,340	17	25.66	29.90	+ .03	68.9 - 2.0	94	32	84	43	6	58	46	22	21	s.	30	25	2	2.2	104 1877			
Salt Lake City	4,345	22	25.63	29.88	- .01	73.6 - 2.9	95	24	85	46	5	62	60	36	41	s.	35	19	20	7	4.6	102 1891		
<i>Northern Plateau.</i>																								
Baker City	3,480	7	26.46	29.91	+ .01	64.4 - 2.4	94	29	79	36	6	49	40	41	37	t.	42	13	18	4	2.2	101 1890		
Idaho Falls	4,742	6	25.25	29.91	- .01	65.4 - 2.9	94	24	84	35	6	47	47	35	42	s.	38	18	20	3.8	93 1893			
Spokane	1,930	15	27.89	29.97	+ .03	67.4 - 1.6	93	32	84	46	5	52	35	33	40	t.	42	13	11	5.0	102 1890			
Walla Walla	1,018	10	28.92	29.98	+ .04	71.1 - 4.0	104	32	85	47	7	58	39	45	44	s.	44	12	11	0	3.7	108 1891		
<i>N. Pac. Coast Reg.</i>																								
East Clallam	556	6	55.6	63	- .03	64.1 - 2.5	93	9	64	40	* 47	42	1.24	- 0.5	7	w.	45	19	5	7	0	1897		
Fort Canby	179	12	29.91	30.10	+ .04	59.9 + 1.3	90	10	66	49	33	54	88	0.80	- 0.5	5	6,642	42	se.	4	11	18	5.7	90 1895
Neah Bay	10	55.4	54.4	52.9	28	11	63	33	49	34	6	52	2.40	- 0.4	6	w.	38	11	9	11	2	1898		
Olympia	19	55.0	53.0	52.9	28	12	63	34	49	36	6	53	0.35	- 0.5	2	n.	44	13	2	27	1895			
Port Angeles	29	11	30.03	30.06	+ .03	58.8 + 0.2	85	32	85	42	12	49	43	0.38	- 0.5	3	w.	34	15	8	13	1898		
Port Crescent	.....	.....	57.4	56.2	30	* 68	33	35	42	45	43	49	0.79	- 0.4	3	w.	34	15	8	13	1897	
Pysh	.....	.....	59.2	58.2	46	* 71	32	47	35	42	36	50	0.79	- 0.4	4	w.	35	15	8	13	1897	
Seattle	119</td																							

TABLE II.—*Meteorological record of voluntary and other cooperating observers, July, 1895.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.			Rain and melted snow.	Total depth of snow.	Maximum.			Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		
<i>Alabama.</i>				In.	In.											
Alco.	95	66	80.6	In.	In.											
Ashville†	98	66	81.8	4.40	Tucson a.	105	67	86.0	0.07	In.						
Bermuda†	94	67	80.8	4.68	Tucson c†	106	68	86.2	0.11	Folsom City b*	104	62	76.7	In.	T.	
Birmingham†	96 ^d	70 ^d	84.2 ^d	6.10	Walnut Ranch *† ¹	94	60	73.6	5.51	Fordyce Dam				0.60		
Brewton†	101	64	81.2	3.00	Wells * ¹	116	77	96.7	0.16	Fort Bragg†	79	41	57.9	0.40		
Carrolton† ¹	89	68	79.2	2.96	Whipple Barracks†	100	47	71.4	0.88	Fort Ross.				1.31		
Citronelle†	93	71	80.6	9.23	Wilcox * ²	100	71	86.0	1.92	Fort Tejon				0.00		
Clairborne Landing				3.57						Fremontville* ¹	90	58	66.8	0.00		
Clanton†	98	65	79.0	5.09						Georgetown†	95	70	72.0	0.03		
Collerene* ¹	98	74	88.0	2.03						Glenadora				0.00		
Cordova†				5.95						Goshen * ²	104	64	82.2	0.00		
Daphnet.	98	62	79.2	7.03						Grass Valley				0.35		
Decatur†	95	58	76.4	6.99						Greenvile†	95	35	63.8	0.35		
Demopolis†.				4.17						Healdsburg* ¹	92	48	62.8	0.55		
Elba†.				5.79						Hendersons Ranch				0.00		
Eufaula a†.	98	69	82.2	3.77						Hollister	93	44	64.7	0.02		
Eufaula c†.				3.94						Hueneme				0.00		
Evergreen†	98	64	80.7	6.82						Humboldt L. H.				0.22		
Florence a†.				6.95						Hydesville†	84	43	59.2	0.51		
Florence b†.	92	61	77.4	5.88						Indio * ²	114	76	94.7	0.00		
Fort Deposit†	96	68	81.6	4.46						Iowa Hill* ¹	96	54	74.8	0.08		
Gadsden†.	94	68	77.8	8.66						Jackson	91	45	70.0	0.07		
Goodwater†.	102	64	81.0	4.27						Jolon				0.00		
Greensboro†.	95	66	79.7	2.76						Julian†.	102	46	72.0	T.		
Healing Springs†.	92	62	77.2	6.15						Keeler * ²	106	70	85.1	T.		
Highland Home†.	94	67	80.0	2.73						Keene * ²	99	59	76.5	0.00		
Jasper†.	94	60	78.4	6.03						Kennedy Gold Mine	98	48	72.8	0.00		
Livingston†.	98	60	81.6	3.45						Kernville.				0.00		
Lock No. 4.				7.24						King City * ²	100	50	66.0	0.00		
Madison Station†	94	63	78.3	4.93						Kingsburg * ²	105	70	86.0	0.00		
Maple Grove†.	96	60	78.2	4.17						Kono Tayee	96	50	74.2	0.00		
Marion†.	96	67	81.1	4.50						Lagrange * ²	108	56	80.4	0.00		
Mount Willing†.	96	60	80.2	2.93						La Porte *† ¹	86	44	61.6	1.41		
Newbern†.	94	68	80.8	1.65						Lemoore a * ²	104	61	81.1	0.00		
Newburg†.	95	57	76.6	3.64						Lick Observatory†.	85	41	67.2	0.01		
Newton†.	96	67	80.3	4.06						Lime Kiln.	108	53	80.8	0.00		
Oeonito.	56		57.4							Lime Point L. H.				0.00		
Opelika†.	96	67	81.1	3.86						Lodi	99	49	71.4	0.00		
Oxanna *† ¹ .	93	64	76.6	4.11						Los Alamos†.				0.00		
Pine Apple†.	98	65	81.4	3.51						Los Gatos b.	93	44	65.0	0.00		
Pushmataha†.	96	67	81.2	5.72						McMullin * ¹	110	58	80.6	0.00		
Rock Mills†.	92	65	78.4	6.24						Malakoff Mine * ¹	91	54	71.0	0.14		
Scottsboro†.	95	58	76.7	8.71						Mammoth Tank * ²	114	80	93.7	0.00		
Selma†.				4.45						Manzana.	99	51	76.8	0.00		
Sturdevant†.				7.57						Mare Island L. H.				0.00		
Thomasville†.	94	66	80.3	4.81						Meredo * ²	106	59	71.2	0.00		
Tuscaloosa†.	98	64	81.3	6.58						Middletown *† ¹	104	50	71.6	0.10		
Tuscumbia†.	96	66	79.2	6.33						Mills College.				0.00		
Union†.	26	69	80.2	6.58						Milton (near)* ¹	102	59	76.5	T.		
Union Springs†.	98	66	82.2	2.31						Modesto * ²	101	58	78.1	0.00		
Unioント†.	96	68	81.4	2.82						Mohave * ²	108	68	84.3	0.00		
Valley Head†.	91	58	75.2	7.26						Mokelumne Hill * ²	76	55	75.6	0.00		
Wetumpka.				5.68						Monterey * ²	76	52	58.8	0.00		
Wilsonville†.										Mount Frazier.				0.00		
<i>Alaska.</i>										Mount Glenwood * ¹	102	62	78.7	0.09		
Coal Harbor†.	65	39	50.6	2.46						Mt. Utah Flat.				0.00		
Juneau.	80	38	55.6	3.23						Napa b.	98	51	67.4	0.03		
Killisnoo†.	73	38	54.2	3.85						Needles * ²	113	69	98.0	T.		
<i>Arizona.</i>										Nevada City†.	91	44	67.0	0.15		
Antelope Valley†.										Newcastle a†.	100	48	73.8	0.04		
Benson * ² .	105	68	85.9	0.13						Newhall * ²	101	56	73.7	0.00		
Bisbee†.	26	61	76.8	2.02						Nothhoff * ²	98	38	64.6	0.00		
Buckeye†.	104	62	84.6	1.20						North Berkeley * ¹	79	53	61.8	0.09		
Calabasas†.	101	59	79.4	2.66						Oakland a.	88	49	68.1	0.03		
Casa Grande * ² .	108	76	90.0	0.35						Ogilby * ²	117	85	96.6	0.00		
Dragoon.				1.25						Oleta * ²	95	55	69.6	T.		
Dragoon Summit * ² .	99	70	84.8	0.42						Ontario b.	97	61	75.2	0.00		
Dudleyville†.	105	60	83.4	0.98						Orangevale†.	105	52	75.7	T.		
Eagle Pass * ² .	64	78.4	1.41							Orland * ²	109	50	84.6	0.27		
Farleys Camp†.	105	65	86.0	0.41						Ormonde†.				0.03		
Flagstaff.	88	44	65.6	0.00						Oroville b.	104	50	78.5	0.33		
Fort Apache.	96	48	72.4	0.74						Palermo†.	105	42	74.3	0.30		
Fort Grant†.				1.09						Pasadena.	90	51	69.1	0.00		
Fort Huachuca.	95	58	76.4	2.75						Paso Robles b.	99	45	70.6	0.00		
Gila Bend * ² .	114	84	94.8	0.80						Petaluma * ¹	98	54	86.6	0.08		
Gisea†.	109	57	82.0	0.68						Piedras Blancas L. H.				0.00		
Globe†.	106	61	88.6	0.48						Pigeon Point L. H.				0.00		
Holbrook†.	99	47	74.0	0.86						Pilot Creek.				T.		
Keams Canyon†.	94	43	68.0	0.97						Placerville†.	100	46	70.6	T.		
Maricopa * ² .	114	74	94.1	0.93						Point Ano Nuevo L. H.				0.00		
Mount Huachuca†.	94	60	76.4	1.97						Point Arena L. H.				0.25		
Natural Bridge†.				1.85						Point Bonita L. H.				0.00		
Navajo *† ² .				2.20						Point Conception L. H.				0.00		
Oracle†.	96	65	80.7	2.12						Point Fermin L. H.				0.00		
Oro.				3.44						Point George L. H.				0.07		
Oro Blanco.	102	69	84.0	2.25						Point Hueneme L. H.				0.00		
Pantano * ² .	99	76	84.1	0.89						Point Lobos.	69	50	57.5	0.03		
Payson.				0.45						Point Loma L. H.				0.00		
Peoria†.	112	68	90.1	0.00						Point Montara L. H.				0.00		
Pinal Ranch.				0.68						Point Pinos L. H.				0.05		
Reymert.	107	60	84.4	0.35						Point Reyes L. H.				0.40		
San Carlos†.				0.32						Point Sur L. H.				0.11		
San Simon * ² .	105	70	90.8	0.87						Pomona (near).	104	50	75.0	0.00		
Show Low.				1.22												

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.
<i>Idaho—Cont'd.</i>																				
Halley†	97	34	68.2 ^c	0.10			Tiskilwa ^{*1}	98	68	75.3	7.80			Iowa—Cont'd.	98	40	71.1	2.64		
Idaho City†	98	33	66.0	0.52			Tuscola ^{*1}	93	50	72.2	2.26			Guthrie Center	94	40	70.4	3.54		
Lake†	78	32	56.2	0.10			Walnut†	100	48	74.5	5.41			Hampton						
Lewiston†	105	41	73.4	0.93			Warsaw†							Hawkeye						
Lost River†							Wheaton	96	45	71.9	3.47			Hoperville†	98	45	71.3	3.55		
Martin†	89	32	61.4	0.55			Winnebago†	98	44	70.8	3.89			Humboldt†	98	37	74.2	1.96		
Moscow†	92	41	65.0	0.90			Ozark†	27	44	71.4	4.47			Independence†	101	44	71.1	1.17		
Murray†	93	39	60.8	1.43									Iowa City†	100	51	74.0	10.10			
Nampa	102	40	69.3	0.31									Iowa Falls†	95	36	69.6	3.79			
Oakley†	97	39	68.5	0.23									Jefferson	95	40	70.8	2.00			
Orchard†													Kenosauqua†	96	51	74.0	5.81			
Paris†	95	35	62.3	0.80									Knoxville	97	48	72.6	3.63			
Payette†	105	40	70.8	0.36									Larrabee†	98	36	71.9	2.41			
St. Anthony	94	23	62.8	0.48									Le Claire†							
Sabruit†	105	35	70.6	0.36									Lenox [*] 1	95	56	72.2	3.87			
Soldiert	95	31	64.8	0.45									Logan†	98	35	71.6	1.68			
Swan Valley†	96	26	62.8	0.60									Madrid	96	40	72.6	2.38			
Three Creek†	100	30	65.1	0.10									Maple Valley							
Warren†	90	29	58.0	1.60									Marshall [*] 2	96	46	71.5				
													Mason City†	95	39	70.3	2.01			
<i>Illinois—Cont'd.</i>													Maxon [*] 1	100	60	75.1	4.33			
Albion†	95	50	75.6	6.21									Mechanicsville	96	45	71.5	3.34			
Alexander†	96	49	75.3	6.55									Monticello†	94	46	70.4	2.43			
Altamont													Moor	98	49	75.0	2.80			
Anna†													Mount Ayr†	97	45	72.6	7.21			
Ashton [*] † ¹	95	55	70.6	3.74									Mount Pleasant [*] 1	94	42	76.8	5.58			
Atlanta													Neola	104	35	72.7	0.45			
Atwood [*] 2													Newton†	98	50	73.4	5.32			
Aurora†	92	46	60.0	4.23									North McGregor†							
Bardstown†	99	45	71.6	3.83									Ogden [*] 1	96	40	69.5	3.48			
Bloomington†	100	43	73.4	6.71									Osage [*] 1	98	50	69.4	2.14			
Bushnell†	98	51	74.8	6.28									Oskaloosa†	98	50	72.7	4.87			
Cambridge	98	52	73.6	7.40									Ottumwa	98	50	74.0	5.16			
Carlinville†	91	52	74.6	5.58									Ovid†	95	45	72.2	8.19			
Carlyle													Panama†	96	44	70.9	2.03			
Catlin†	94												Pringhar	94	40	70.9	1.76			
Chernung [*] 1	96	43	73.0	2.91									Rock Rapids	96	32	71.2	2.10			
Chester†													Sac City†	97	42	72.0	1.95			
Ciene [*] 1	100	52	76.1	4.51									Seymour†	91	46	72.3	8.59			
Clear Creek†	105	41	71.9	9.06									Sibley	91	27	68.8 ²	1.23			
Coatsburg													Sidney	104	45	73.6	5.22			
Cordova†													Spirit Lake†	101	40	73.4	1.58			
Decatur†	92	50	73.6	8.42									Sutherland	95	37	70.7	2.22			
Dixon†	99	48	72.8	4.59									Toledo [*] 1	100	46	73.7	2.70			
Duquoin [*] 1	99	50	70.0	5.26									Villisca†	94	41	70.8	5.68			
East Peoria†	102	47	73.8	8.15									Vinton [*] 1	102	51	72.3	2.16			
Effingham†	94	54	75.2	1.70									Washington†	98	48	72.5	4.59			
Evanston [*] 10	90	58	69.8										Waterloo	100	44	73.1	1.03			
Fort Sheridan†	92	47	68.8	3.30									Waukeee	98	42	73.2	3.48			
Frederick													West Bend [*] 1	96	49	71.1	3.03			
Galva†	99	49	72.7	5.58									What Cheer							
Gilmant†	96	47	73.2	5.09									Williams	90	36	69.5	4.62			
Golconda†	95	61	78.0	9.03									Wilton Junction†	100	45	73.1	9.10			
Grafton†													Winterset	98	42	71.5	5.11			
Greenville†	96	50	75.6	6.97										Kansas.						
Griggsdale†	95	53	73.8	6.25										Abilene†	106	48	78.1	2.70		
Halliday [*] 6	99 ^a	60 ^a	81.4 ^a	5.23										Achilles [*] 3	100	52	69.7	4.91		
Havana†	95	55	75.1	4.69										Altoona [*] 1	99	56	76.6	5.12		
Herrins Prairie [*] 1	94	60	77.5	3.75										Atchison†	98	49	73.6	7.37		
Hillsboro [*] 1	98	55	76.8	6.81										Beloit†	102	47	75.2	8.87		
Holts	98	54	75.8	4.40										Blaine	101	48	76.4	3.88		
Joliet†	100	47	73.5	4.32										Burlington†	102	51	75.4	2.40		
Jordans Grove†	94	52	74.9	3.75										Campbell [*] 4	104	47	77.0	1.67		
Kankakeet†	88	51	68.2	2.53										Colby†	94	44	70.5	5.87		
Knoxville [*] 6	100	52	74.5	8.81										Coldwater†	102	52	76.4	4.83		
La Harpe [*] 1	100	48	76.0	4.89										Collyer [*] 3	103	58	76.3	2.50		
Lanark [*] 1	99	41	71.4	4.38										Columbus†	96	55	76.1	11.03		
Lexington [*] 1	93	57	72.4	9.16										Coolidge [*] 1	98	50	72.6	7.28		
Loami†														Cunningham†	104	48	76.7	2.70		
Louisville†	92	51	73.4	5.20										Downs						
McLeansville [*] 3														Dresden [*] 1	101	50	71.6	7.69		
Martinsville†	94	47	73.9	4.71										Ellinwood [*] 2	99	48	71.9	2.73		
Mascoutah [*] 8	100	60	78.8	4.80										Emporia†	100	54	75.8	2.60		
Mattoon [*] 1	96	55	73.8	3.87										Englewood†	102	48	76.4	4.11		
Monmouth†	99	46	71.2	5.50										Eureka†	98	42	74.0	2.04		
Mount Carmel†														Eureka Ranch†	103	42	74.0	3.28		
Mount Pulaski†	92	50	73.2	4.80										Fort Riley†	98					
Mount Vernon	95	52	76.0	5.94										Fort Scott						
New Burnside [*]														Frankfort	105	50	78.9	3.09		
Olney a [*] 1	94	50	76.6	5.85										Garden City†	99	47	73.0	6.98		
Olney b [*] 1	100	55	74.4	6.64										Garfield						

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	Ins.
Kansas—Cont'd.	°	°	°	In.	In.	Ins.	Louisiana—Cont'd.	°	°	°	In.	In.	Ins.	Massachusetts—Cont'd.	°	°	°	In.	In.	Ins.
Leoti†	103	50	73.8	4.66			Grand Coteau	94	70	81.0	7.02			Blue Hill (summit)	90	50	66.7	3.35		
Macksville†	105	45	76.0	3.26			Hammond†	97	69	81.5	5.16			Blue Hill (valley)	90	42	66.7	3.21		
McPherson†	97	52	75.1	8.63			Houma†	98	67	82.2	12.45			Boston a	92	49	68.5	4.54		
Manhattan b	105	48	77.8	6.51			Jeanerette†	98	63	81.0	5.10			Brockton b				5.02		
Manhattan c * ³	105	48	72.8	6.50			Lafayette†	98	68	82.6	6.50			Brockton c				4.65		
Meade†	105	55	77.9	6.48			Lake Charles†	98	70	82.7	7.88			Cambridge a	90	47	68.8	3.35		
Medicine Lodge	95	54	74.8	4.31			Lake Providence†	97	68	81.9	1.95			Cambridge b	87	53	69.5	3.28		
Minneapolis†	103	49	76.8	8.85			Lawrence†	100	73	84.8	9.50			Chestnut Hill	93	48	69.0	3.55		
Morland†	97	44	70.6	5.40			Liberty Hill	101	68	80.5	5.61			Clinton				1.90		
Morton†	105	52	75.2	12.31			Maurepas	100	68	83.2	6.78			Concord†	92	45	67.0	3.70		
Mount Hope * ¹	100	59	76.6	4.25			Melville†	97	68	81.4	7.15			Dudley	87	50	66.2	2.40		
Ness City†	99	55	76.7	6.51			Minden†	100	68	82.2	2.76			East Templeton * ¹	90	52	66.7	2.02		
New England Ranch†	103	43	73.4	4.14			Monroe†	98	69	83.0	3.94			Egg Rock, Nahant	79	54	66.1			
Norton†	96	42	69.9	2.99			Natchitoches†	97	68	81.6	4.26			Fall River	85	53	68.6	2.38		
Oberlin†				6.08			New Iberia	98	69	81.5	5.75			Fiskdale				5.15		
Olathe†	99	50	74.7	6.08			Oak Ridge†	103	65	82.6	3.07			Fitchburg a * ¹	87	56	67.0	6.26		
Oswego†	100	54	77.0	7.55			Oberlin	97	67	81.5	6.50			Fitchburg b	87	45	66.7	2.92		
Ottawa†	95	53	76.9	10.31			Opelousas†	97	69	81.9	6.49			Framingham	93	44	67.2	5.17		
Phillipsburg†	104	52	74.6	4.35			Oxford†	93	63	79.2	4.07			Gilbertville†				5.03		
Pleasant Dale	108	44	75.6	2.28			Paincourtville†	98	68	81.7	7.16			Groton	87	44	66.3	3.42		
Quinter * ¹	102	50	73.7				Plain Dealing	94	70	80.7	9.36			Hadley	95	44	66.8	4.04		
Rome * ¹	101	55	76.6	3.51			Rayne†	99	68	82.3	7.24			Hingham				4.98		
Russell	112	44	77.1	1.67			Schriever†	98	68	82.2	11.82			Hobbs Brook				4.68		
Salina†	98			4.90			Shell Beach	97	72	83.4	6.11			Hyannis	88	56	71.7	2.88		
Scott City	104	50	74.2	6.11			Southern University†	92	70	80.7	11.15			Hyde Park * ³	56	67.1				
Sedan†	104	58	78.2	6.15			Sugar Ex. Station†	98	71	83.5	7.62			Lake Cochituate	96	40	66.8	5.34		
Sharon Springs * ¹	100	54	89.3	6.25			Sugartown†	95	70	80.6	5.86			Leeds		41	67.2	3.50		
Tribune†				7.52			Thibodeaux							Leominster	84			3.28		
Ulysses				5.48			Toledo	83						Long Plain * ⁶	84	50	67.8			
Wakefield * ¹	104	60	77.8	7.17			Wallace	96	68	81.6	7.68			Lowell a	92	50	69.0	3.66		
Walla†	100	58	76.4	6.48			West End							Lowell b	91	48	68.1			
Wamego * ¹	100	54	76.4	5.86			White Sulphur Springs†							Lowell c	93	50	69.2			
Wellington				2.31			Maine.							Ludlow Center	85	40	64.0	6.35		
Winfield * ⁵	110	54	80.8	8.85			Bar Harbor	89	45	64.2	1.73			Lynn a	85	49	65.6	3.14		
Winona * ³	100	54	76.4	8.23			Belfast * ⁶	79	57	65.5	1.94			Lynn b	85	53	68.7			
Yates Center†	58			1.86			Calais†	85	49	65.4	2.75			Mansfield * ¹	94	54	67.8	3.94		
<i>Kentucky.</i>																				
Alpha†	98	56	75.0	7.46			Cornish * ¹	90	52	66.8	4.18			Middleboro	88	48	66.6	1.88		
Blandville†	92	57	74.7	5.61			Fairfield	88	49	66.4	3.08			Milton	87	47	66.4	3.28		
Bowling Green a	95	52	72.8	9.46			Farmington†	96	41	69.8	1.05			Monroe	85	41	62.7	3.66		
Bowling Green b†	98	55	77.0	9.95			Gardiner	95	50	69.3	4.55			Monson	89	42	66.2	3.20		
Burnside†				7.71			Houlton†	93	40	66.6	2.43			Mount Nonotuck				5.00		
Caddo†	97	59	77.0	4.30			Kineo†	86	50	64.8	4.07			Mount Wachusett				3.26		
Canton * ¹	96	60	76.3	5.41			Lewiston	96	50	63.0	2.22			Mystic Lake				4.06		
Carrollton†	99	49	75.5	2.74			Madison†	92	50	67.9	4.50			Mystic Station				4.04		
Catlettsburg†				3.97			Mayfield†	89	44	64.7	4.44			Natick * ¹	90	55	67.9	3.34		
Cromwell†				5.73			North Bridgton	92	49	67.7	2.74			New Bedford a	84	51	67.2	4.91		
Earlington				9.14			Orono†	89	48	65.1	2.85			New Bedford b	86	49	67.1	4.84		
Edmonton†	92	56	73.8	5.35			Petit Menan * ¹	75	50	61.1				North Billerica	97	50	69.8	1.52		
Elizabethtown†	97	52	73.8	4.01			West Jonesport * ¹	73	50	60.4				Pittsfield	84	39	65.0	4.34		
Eubank†	97	51	74.0	4.31			Maryland.							Plymouth	86	58	68.6			
Falmouth†				4.06			Bachmans Valley * ¹	98	58	72.4	3.77			Provincetown						
Fords Ferry†	99	56	77.5	7.01			Boettcherville * ¹	96	48	70.1	3.10			Roberts Dam						
Frankfort†	97	58	75.3	5.22			Charlotte Hall†	94	53	73.4	3.25			Salem						
Franklin * ¹	98	64	79.4	6.72			Cherryfields†							Salisbury				3.51		
Georgetown ^b	94	52	73.5				Chestertown†	90	55	72.0	3.45			Somerset						
Greendale ^a	98	55	73.1	8.64			College Park	99	50	71.1	2.27			Springfield Armory	91	48	67.3	4.58		
Greensburg * ¹	94	58	73.1	4.85			Cumberland a	92	50	70.3	2.49			Taunton c	97	44	66.4	3.56		
Harrods Creek†	96	54	75.4	7.12			Cumberland b	97	55	74.8	2.85			Taunton d	91	50	67.9	2.35		
Henderson†	96	56	76.8	8.85			Darlington†	92	52	70.5	4.74			Turners Falls	86	48	67.8	4.55		
Louisa†	99	54	74.2	6.83			Deer Park	89	32	62.8	3.55			Wakefield†	89	46	67.4	4.81		
Marrowbone†	95	57	76.6	6.61			Denton†	93	52	71.0	2.59			Waltham				4.04		
Maticoč * ¹	96	60	77.7	6.31			Ellicott City	89	53	72.8	0.81			Westboro†	83	44	68.6	4.20		
Middesboro†				4.94			Garrison	93	47	69.8	3.53			Williamstown	90	47	67.1	2.37		
Mount Sterling†	93	52	72.4	6.96			Glyndon	96	50	71.6	1.73			Winchendon				4.58		
Paducah a†				6.32			Grantsville	98	41	64.0	4.08			Winchester						
Paducah b†	99	59	78.8	5.27			Great Falls * ⁶	92	39	73.4	2.63			Wintrop	85	49	67.2	2.13		
Pleasure Ridge Park†	94	50	73.8	7.13			Green Spring Furnace†	100	46	71.3	2.18			Worcester b	87	50	67.9	4.10		
Princeton†	99	50	75.1	4.36			Hagerstown†	95	46	71.0	2.46			Michigan.						
Pryorsburg†	91	61	77.9	5.75			Hancock	95	48	70.2	3.76			Adrian	100	42	71.6	0.65		
Russellville†	95	58	74.6	8.91			Jewell†	91	54	71.6	3.23			Allegan	97	41	71.0	0		

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Michigan—Cont'd.</i>						<i>Minnesota—Cont'd.</i>						<i>Missouri—Cont'd.</i>					
Grindstone City* ¹⁰	94	44	63.5			Red Lake†	94	36	64.5	3.50		Gayoso* ³	○	62	76.9	5.85	
Hammonds Bay* ¹⁰	96	50	68.2			Redwing†	.....	.....	.....	3.60		Glasgow	○	52	73.7	5.63	
Hanover	92	48	69.5	2.21		Reeds Landing	94	40	69.6	1.80		Gordonville* ³	○	60	74.0	5.29	
Harbor Springs	88	41	64.2	0.46		Rolling Green†	100	38	69.4	3.63		Gorin* ³	○	55	74.1	4.93	
Harrisville	89	42	63.2	1.18		St. Charles†	90	46	67.0	3.16		Grove Dale	.....	.....	7.87		
Hart						St. Olaf	92	44	66.8	4.47		Half Way	93	52	73.0	6.25	
Hastings	93	45	69.6	1.84		St. Peter†	93	38	71.0	5.74		Harrisonville†	95	54	73.2	9.13	
Hayes	94	40	69.4	2.15		Sandy Lake Dam ¹	90*	39	64.6	3.08		Hastain	101	52	75.3	5.75	
Hesperia	95	44	70.4	0.33		Sauk Center	98	40	68.0	2.06		Hermann†	.....	.....	7.90		
Holland* ¹⁰	92	50	67.9			Shakopee ⁴	96*	45	71.6	3.36		Houston	95	54	75.1	8.89	
Howell	96	41	69.0	0.87		Sunrise City* ⁶	92	46	68.9	.....		Houstonia near	96	50	75.8	4.26	
Ivan	95	42	66.6	0.33		Tower†	97	37	61.6	3.33		Humansburg	96	50	75.8	5.61	
Jeddo	95	43	66.4	1.98		Two Harbors†	85	40	62.4	3.18		Ironton*† ¹	91	58	73.4	5.45	
Kalamazoo	94	46	71.8	1.09		Wabasha* ¹	100	51	69.0	5.71		Jefferson City†	98	54	75.6	8.90	
Lansing	92	47	69.3	1.72		Willmar†	93	39	68.0	4.74		Kidder	98	49	73.6	5.41	
Lathrop* ¹	92	48	64.0	0.66		Winona	94	48	70.8	2.67		Lamar	98	55	75.6	7.36	
Lewiston	96	42	66.6	0.78		Zumbrota* ¹	93	50	69.2	.....		Lamonte	.....	.....	4.05		
Ludington* ¹⁰	90	50	66.0									Langdon†	102	45	78.4	3.16	
Madison	97	47	71.5	0.99								Lebanon	91	57	74.4	7.70	
Manistee* ¹⁰	88	58	64.4									Lexington†	94	53	73.3	5.09	
Mayville	98*	44	69.0	2.13								Liberty	100	50	76.0	5.42	
Middle Island* ¹⁰	90	44	64.9									Louisiana Bridge†	95	55	73.8	13.29	
Mottville	97	42	71.4	2.30								Marble Hill	96	50	75.1	8.03	
Muskallongee Lake* ¹⁰	84	42	68.6									Marceline	97	49	74.1	4.81	
North Manitou Island* ¹⁰	89	51	65.6									Marshall†	97	49	74.1	4.73	
North Marshall	94	40	69.2	1.81								Maryville* ⁴	100	50	70.2	8.76	
Northport	88	42	65.0	0.30								Miami	98	51	74.8	8.01	
Old Mission	82	43	67.6	0.51								Mine La Motte†	90	55	73.1	4.37	
Olivet	92	49	71.2	1.78								Mineral Springs	90	54	73.8	9.48	
Ottawa Point* ¹⁰	97	50	66.2									Mount Vernon	95	50	74.1	5.81	
Ovid	98	48	70.0	1.18								Neosho	101	53	76.7	8.06	
Parkville				2.06								Nevada			7.25		
Pentwater* ¹⁰	84	44	67.2									New Haven* ¹	96	58	74.2	5.61	
Point aux Barques* ¹⁰	95	50	68.2									New Madrid	98	60	78.0	8.50	
Pontiac	98	42	68.4	2.64								New Palestine	96	55	73.0	6.10	
Rockland ⁴	90	41	62.9	1.50								Oakfield†	96	55	73.0	6.28	
St. Ignace	94	40	62.2	0.87								Oak Ridge* ⁴	98	60	70.0	5.95	
St. Johns	96	47	71.0	2.70								Olden†	96	52	75.5	6.90	
Sand Beach ^a	93	40	64.5	1.03								Oregon ^b	98	50	75.1	5.26	
Sand Beach ^b * ¹⁰	86	51	63.8									Oscceola†	.....	.....	6.40		
Ship Canal ¹	102	42	64.4									Oto	96	58	74.2	4.05	
Stanton	96	43	68.0	1.08								Palmyra* ⁶	98	60	77.8	7.70	
Sturgeon Point* ¹⁰	91	37	64.8									Phillipsburg* ¹¹	92	57	73.1	7.75	
Thornville	96	46	70.0	0.83								Pickering* ³	106	48	70.8	5.92	
Thunder Bay Island* ¹⁰	86	52	68.2									Pierce City* ¹	98	62	73.7	7.05	
Two Heart River* ¹⁰	90	40	59.4									Platte River* ²	92	52	72.8	8.69	
Vandalia	92*	45	70.1	0.88								Poplar Bluff	96	56	73.8	6.40	
Vermillion Point* ¹⁰	80	35	54.2									Potosi	96	49	73.2	7.29	
Ypsilanti	93	41	68.0	2.81								Princeton* ¹	101	47	73.5	7.55	
<i>Minnesota.</i>												St. Charles	94	51	74.8	7.59	
Ada†	95	40	65.2	3.40								St. Joseph†	95	47	74.1	6.53	
Albert Lea†	92	43	69.8	3.18								St. Louis	94	52	73.5	8.01	
Alexandria a†	96	38	67.5	2.36								Sarcoxie* ³	101	52	74.8	7.50	
Beardsley†	98	42	67.0									Shelbina	.....	.....	6.54		
Belle Plaine												Steffenville	95	52	73.2	6.63	
Bird Island	96	38	69.3	1.38								Stellad†	94	48	73.0	11.47	
Blooming Prairie†	93	40	68.4	2.60								Trenton* ³	98	53	69.7	4.64	
Bonniwell†	102	32	70.4	1.42								Unionville†	100	52	75.0	4.09	
Caledonia†	94	41	69.2	3.14								Vermont*† ¹	94	59	73.1	5.64	
Cambridge†	91	47	67.0	5.99								Versailles	.....	.....	7.28		
Camden†	94	43	69.6	2.73								Villas	98	48	73.8	4.12	
Campbell	99	39	66.7	3.69								Virgil City	96	52	75.1	5.58	
Clear Lake†	94	41	68.0	3.07								Warrensburg* ¹	96	62	75.1	3.55	
Clear Water ¹	98	47	65.5	2.38								Warrenton	96	54	74.1	6.71	
Collegeville	97	38	71.0	1.90								Wheatland	96	54	74.1	5.96	
Crookston†	89	44	68.1	4.03								Willow Springs	97	52	74.8	6.46	
Dawson* ¹	102	41	70.7	1.36								<i>Montana.</i>					
Farmington†	94	41	67.8	3.43								Big Timber	95	37	67.7	0.50	
Fergus Falls†	93	44	67.2	4.93								Billings†	101	42	70.0	0.51	
Glencoe†	94	34	68.2									Boulder†	93	37	62.0	0.74	
Grand Meadow†	99	37	70.0	2.25								Bozeman†	90	40	64.2	0.97	
Granite Falls†	97	40	70.0	0.95								Butte†	87	36	61.0	1.07	
Hutchinson†	98	33	63.0	2.60								Choteau†	96	41	64.6	1.04	
Koochiching†	98	41	68.4	5.45								Cokedale†	95	32	63.2	0.76	
Lake Winnibigoshish* ¹	85	50	68.8	4.13								Columbia Falls†	98	37	62.9	1.94	
Lawrence†	94	45	66.2	4.45								Fort Benton†	98	36	66.4	2.56	
Leech Lake ¹	89*	41	63.0	4.96								Fort Custer†	101	44	70.8	0.60	
Long Prairie†	96	41	68.4	5.45								Fort Keogh†	99	38	70.0	0.27	
Luverne†	91	38	68.2	2.20								Fort Missoula	91	39	68.8	1.51	
Maple Plain	99	41	69.6	2.84								Glasgow†	101	37	72.6	0.40	
Mazeppa ¹	100*	40	70.1	2.15								Glendive†	105	45	73.6	1.84	
Milan ^f	96	36	70.4	1.47								Grantsdale	94	39	65.4	0.80	
Minneapolis a†	100	44	70.2	4.15								Great Falls†	94	38	66.6	0.78	
Minneapolis b†	95*	40	69.7	4.17								Hogan†	95	34	63.0	1.04	
Minnesota City†	97	38	66.4	3.11								Kipp					

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.					
	Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.	Maximum.	Minimum.	Mean	Rain and melted snow.	Total depth of snow.			
<i>Montana—Cont'd.</i>	○	○	○	In.	In.	<i>Nebraska—Cont'd.</i>	○	○	○	In.	In.	<i>New Hampshire—Cont'd.</i>	○	○	○	In.	In.	<i>New Jersey.</i>	○	○	○	In.	In.
Troy †.	100	35	67.8	1.78		Palmer a*1	106	42	74.2	1.25		Keene	89	41	64.9	1.63		Allaire.	98	45	70.0		
Utica †.	101	34	68.8	1.81		Palmer b.	.....	.....	1.05			Lakeport	92	46	67.8	3.58		Ashbury Park.	89	53	71.0		
Virginia City †.	99	36	62.8	1.00		Plattsburgh a†	108	59	79.8	2.28		Lancaster	92	46	67.8	3.02		Barnegat.	90	53	71.2		
White Sulphur Springs †.	90	32	58.8	0.70		Plattsburgh b*1	96	46	70.3	2.08		Mine Falls.	91	46	67.8	2.90		Bayonne.	92	53	71.2		
Wibaux †.	101	42	69.6	2.38		Potter*1	101	38	70.4	1.16		Nashua	91	46	67.8	3.48		Beachhaven.	92	53	71.2		
Yale †.	98	36	62.0	0.83		Ravenna a*1	98	44	74.2	1.10		Newton	90	44	66.6	5.41		Belvidere.	92	47	69.0		
<i>Nebraska.</i>						Red Cloud a*1	.....	.....	4.30			North Conway	93	48	65.9	2.25		Bridgeton.	95	57	74.4		
Agee*1	97	48	73.1	0.85		Red Cloud b*1	102	58	76.5	4.42		Pennichuck Station	.....	.....	3.46			Cape May.	91	46	65.0	4.70	
Albion †.	100	.....	0.00			Republican	.....	.....	3.30			Peterboro	88	39	65.0	4.70		Cape May C. H. †.	91	52	71.0		
Alliance.	.....	.....	1.26			Rulo*1	102	58	77.4	5.36		Plymouth	92	40	66.2	3.12		Charlottesville.	92	52	71.0		
Amelia*1	108	52	74.5	0.78		St. Paul*1	98	44	73.4	1.63		Sandbornton†	88	42	64.5	3.82		Concord.	92	40	66.0	3.43	
Ansley †.	100	37	71.0	1.08		Salem*1	100	50	76.0	2.81		Sugar Hill.	86	44	64.0	3.50		Dover.	95	45	69.0		
Arapaho.	.....	.....	2.74			Santee Agency†	100	44	74.8	1.89		Weirs Bridge.	86	34	61.2	2.82		Grafton.	90	45	69.0		
Arborville*1	104	51	73.8	1.45		Schuyler.	.....	.....	0.79			West Milan.	89	34	61.2	2.82		Hanover.	92	48	65.7		
Arcadia.	102	45	72.6	0.90		Seneca*1	102	49	72.7	0.34		Wolffboro.	89	34	61.2	2.82		Wilcox.	92	45	69.0		
Ashland a†.	104	49	73.8	2.00		Spencer (near).	98	57	74.8	2.26		<i>New Jersey.</i>	.....	.....	3.55			Woodbine.	91	45	69.0		
Ashland b*1	101	54	79.4	2.02		Springfield	100	50	74.2	2.57		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Ashton.	101	38	71.2	0.62		Stanton*1	103	38	71.2	1.32		<i>New Jersey.</i>	.....	.....	3.55			Wolffboro.	89	34	61.2	2.82	
Auburn*1†	108	46	75.1	2.43		State Farm	105	41	75.0	0.91		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Aurora*1	100	50	74.4	1.85		Strang.	.....	.....	1.95			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Bancroft.	.....	.....	0.76			Superior*5	100	60	78.4	2.39		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Bassett.	100	39	70.6	0.55		Syracuse	.....	.....	1.80			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Beatrice †.	105	42	75.9	3.04		Tecumseh†	104	43	74.0	3.13		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Beaver City.	98	42	72.0	4.68		Tekamah.	100	41	72.6	3.38		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Benkelman*1	102	40	77.8	3.44		Theford*1	102	53	77.2	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Blue Hill*1	100	55	73.8	2.89		Turlington†	110	45	74.6	2.76		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Brattou*1	104	52	75.4	2.88		Wakefield.	.....	.....	2.33			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Broken Bow*1	100	50	76.6	1.05		Weeping Water*1	103	42	69.4	2.32		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Burchard*1	100	60	77.9	1.61		Weston*5	103	58	78.7	0.61		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Burwell*1	94	46	76.8	1.14		Whitman.	.....	.....	0.90			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Callaway†	99	49	72.3	0.38		Wilber*1	104	50	76.0	1.36		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Central City*6	98	37	77.9	2.89		Wilsonville*1	104	56	73.4	3.39		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Chadron*1	120	44	73.4			York*1	104	56	77.6	1.87		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Chester*1	108	55	75.6	1.44		<i>Nevada.</i>	.....	.....	.....			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Columbus†	97	41	71.2	0.88		Austin.	89	42	65.7	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Cornlea.	.....	.....	1.22			Battle Mountain*1	97	58	71.2	0.15		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Cortland*1	103	54	75.0	1.38		Belmont.	91	44	66.2	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Creighton.	97	36	71.2	0.95		Beowawe*1	96	57	73.4	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Crete.	102	44	75.3	1.23		Candelaria.	99	49	74.6	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Culbertson.	.....	.....	3.96			Carlin*1	95	40	62.8	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Curtis a†.	101	48	74.3	2.73		Carson City.	92	39	64.9	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
David City*1†.	99	52	73.2	0.55		Clover Valley†	.....	.....	0.10			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Divide*1	100	56	74.2	0.96		Cranes Ranch.	.....	.....	T.			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Dunning*1	100	48	74.0	0.33		Darrough Ranch.	.....	.....	0.00			<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Edgar*1	108	58	79.1	1.70		Downeyville.	106	54	78.6	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Elba.	.....	.....	0.45			Elko*5	98	50	72.0	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Ericson*1†.	101	56	78.4	0.80		Elko (near).	101	35	65.5	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Fairbury.	.....	.....	2.52			Ely.	98	39	64.6	0.27		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Fairmont*1	98	56	76.4	1.48		Empire Ranch†	110	53	80.4	0.01		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Fontanelle.	100	42	74.2	0.82		Femelon*1	97	44	66.2	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Fort Robinson.	101	43	68.9	0.50		Genoa.	86	42	68.8	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Franklin†.	95	45	74.0	2.05		Golconda*1	100	56	72.3	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Geneva†.	101	41	74.8	2.53		Halleck*1	101	49	67.3	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Genoa†.	101	43	74.0	0.88		Hamilton.	99	32	67.7	0.04		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Gering†.	102	48	70.2	1.63		Hawthorne a**	92	40	72.2	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Gothenburg.	103	46	74.2	1.14		Hawthorne b*5	98	45	50	0.00		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Grand Island*1	107	55	76.9	2.83		Humboldt*1	101	50	75.9	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Greeley.	.....	.....	0.75			Hot Springs*1	98	48	69.5	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Haigler*1.	99	50	71.1	5.80		Lewers Ranch.	92	40	67.0	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Hartington†.	94	38	70.6	2.33		Las Vegas.	100	54	78.1	T.		<i>New Jersey.</i>	.....	.....	3.55			Woodbury.	92	45	69.0		
Har																							

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
New Mexico—Cont'd.	°	°	°	In.	In.	North Carolina—Cont'd.	°	°	°	In.	In.	Ohio—Cont'd.	°	°	°	In.	In.
Rincon †	107	58	79.5	4.63		Falkland †	93	62	75.0	7.12		Bucyrus	92	50	71.8	2.80	
Roswell †	106	48	78.2	4.45		Fayetteville †	94	60	77.8	5.61		Cambridge	98	43	69.5	2.84	
San Marcial †	93	54	72.8	2.60		Flat Rock	89	50	70.6	4.18		Camp Dennison	101	53	76.1	1.71	
Socorro †	95	55	73.6	4.09		Goldsboro †	97	61	79.2	3.22		Canal Dover	95	44	69.0	3.88	
Springer	91	40	70.3	1.53		Greensboro †	94	60	76.0	5.46		Canton †	98	46	70.9	2.35	
Taos †	93	45	77.2	3.84		Greenville						Cardington	96	40	70.9	2.80	
New York						Henderson †	98	59	76.6	8.32		Carrollton	100	41	67.8	3.06	
Addison	91	44	65.8	2.02		Highlands	93	44	66.0	4.41		Cedarville					
Akron						Horse Cove †	94	53	71.0	4.94		Celina	94	49	73.7	1.84	
Alfred Center	92	42	65.8	2.60		Lenoir †	97	61	73.5	5.65		Cherry Fork	100	45	73.4	1.44	
Angelica †	89	39	62.7	2.40		Linville †	81	43	64.0	5.24		Circle City †	100	48	74.4	1.21	
Appleton	93	47	67.4	1.15		Littleton †	95	59	76.0	7.32		Clarksville					
Arcade	88	42	64.0	2.38		Louisburg †	96	58	76.6	5.55		Cleveland	94	48	69.3	5.96	
Arkwright	97	46	66.0			Lumberton †	96	59	80.2	2.66		Clifton	99	44	73.6	2.59	
Baldwinsville	94	49	68.8	3.22		Lynn †	94	58	74.0	4.35		Coatlon	103	40	72.6	1.75	
Bedford	89	46	67.8	4.67		Mocksville †	91	60	75.0	4.58		Colebrook	98	38	67.6	3.25	
Big Sandy * †	89	50	67.8			Moncure †	97	60	75.8	5.03		Cynthiana					
Binghamton †	93	42	65.7	4.06		Morganton †	95	58	75.5	2.42		Dayton a	99	51	73.4	2.24	
Bloomville				4.05		Mount Airy †	94	54	73.4	4.38		Dayton b					
Brentwood	90	44	68.8	6.00		Mount Pleasant	98	58	70.5	4.12		Defiance					
Brookfield	88	38	70.9	1.23		Murphy †						Demos	96	49	72.5	1.80	
Brooklyn	89	59	74.2	4.72		Newbern †	95	58	78.4	5.38		Dupont	98	42	73.6	1.65	
Canton †	92	40	63.8	2.96		Oak Ridge	95	56	75.2	4.35		Ellsworth	93	40	70.6	1.35	
Charlotte * †	88	51	65.1			Paneteg						Elyria	101	46	72.8	1.43	
Cherry Creek				1.83		Pittsboro	98	54	73.5	5.60		Fairport Harbor * b	96	56	70.6		
Cooperstown †	89	46	65.0	3.80		Raleigh * †	94	68	78.0	5.05		Fayetteville					
Cortland				4.53		Rockingham †	99	59	79.4	4.84		Findlay	96	44	71.6	3.04	
De Kalb Junction				3.63		Roxboro	96	54	75.2	4.35		Fostoria	98	48	71.8	1.87	
Demster				2.54		Rutherfordton †	87	55	72.6	4.09		Frankfort	94	34	66.1	2.50	
Deposit				1.95		Salem	99	58	77.0			Garrettville	99	40	70.3	3.15	
Elmira * †	98	52	70.1	2.34		Salisbury	97					Granville	96	48	70.7	3.24	
Fleming	91	48	67.4	4.11		Saxon †	90	50	75.4	5.00		Gratiot	96	37	73.9	1.50	
Fort Niagara †	93	49	68.8	1.11		Selma	97	58	76.4	4.38		Greenfield	96	37	78.8	3.18	
Friendship	91	38	63.8	2.72		Skyuka	95	54	68.7	4.66		Greenhill					
Glens Falls	90	45	67.4	2.85		Sloan †	95	57	78.0	5.08		Greenville	94	48	71.5	0.70	
Gloversville	87	44	65.8	3.41		Soapstone Mount †	98	54	74.4	5.20		Hackney	98	36	73.5	1.07	
Hamilton	92	37	64.8	2.62		Southern Pines * c	98	60	77.7	4.98		Hanging Rock	96	46	72.6	8.86	
Haskinsville				3.14		Southport †	89	60	78.0	9.03		Hebardsville	99	47	74.8	1.43	
Honeymead Brook	89	47	67.6	2.44		Tarboro	99	57	77.5	5.96		Hedges	99	41	70.5	1.16	
Humphrey	88	42	64.4	3.52		Waynesville	90	52	70.2	4.15		Hillhouse	98	41	68.9	3.15	
Ithaca	90	43	66.4	1.96		Weldon †	96	59	76.7	7.01		Hillsboro	100	42	72.5	2.27	
Jamestown * c	86	48	67.3			Willeyton	94	57	75.7	6.81		Hiram	94	42	68.7	2.18	
Kings Station				3.63		Ashley †	102	39	87.4	0.95		Hudson	96	41	69.1	1.42	
Lebanon Springs	90	42	65.6	4.05		Berlin	95	39	66.3	1.36		Jacksonboro	98	50	74.5	1.60	
Le Roy	91	47	66.2	1.93		Church Ferry	94	35	66.2	3.70		Kenton †	100	45	73.5	1.14	
Lowville	92	39	61.6	2.28		Coal Harbor	98	44	66.6	3.37		Kilbourne					
Lyons	91	50	67.6	2.59		Dickinson †	98	39	65.2	2.47		Killbuck	101	44	72.5	1.90	
Madison Barracks †	92	47	67.4	2.93		Ellendale	98	44	69.5	3.15		Leipsic	100	42	71.8	1.00	
Malone	91	44	64.8	3.08		Fargo †	91	38	64.8	3.24		Levering	96	36	67.4	2.20	
Manhattan Beach †	85	53	68.2	3.00		Forman †	102	38	66.0	2.88		Logan	101	44	72.0	1.95	
Minnewaska	98	46	63.1	1.90		Fort Berthold †	98	40	68.4	2.49		Lordstown	95	38	66.8	2.01	
Mount Morris	94	44	67.2	1.74		Fort Yates †	98	34	67.0	1.80		McArthur	100	45	72.4	8.06	
Newark Valley				3.33		Gallatin †	98	35	65.2	1.81		McConnellsburg	100	40	71.8	1.23	
New Lisbon	92	37	62.9	2.53		Grafton †	85	40	62.9	3.30		Marietta a					
North Hammond †	98	46	68.2	2.94		Jamestown †	87	38	68.4	1.44		Marietta b	98	48	72.0	1.47	
Number Four †	88	39	62.1	4.16		Kelso †	96	35	64.8	3.66		Marion	97	44	71.3	3.21	
Ogdensburg	92	48	67.8			Lakota	94	38	64.0	2.58		Medina	95	40	69.4	2.80	
Oneonta	95	49	67.0	3.20		Laramore †	92	45	66.2	3.90		Mifordton	102	43	70.8	1.08	
Oxford	94	38	65.8	2.43		Lemert	97	34	67.0	3.08		Milligan	103	40	71.2	2.47	
Palermo †	93	41	66.2	2.24		McKinney	94	40	67.5	2.75		Montpelier	96	44	70.1	1.38	
Perry City	92	40	65.5	2.73		Milton †	90	35	65.3	3.30		Napoleon	98	46	71.9	1.28	
Pine City				2.05		Mituto †	90	40	66.4	3.86		New Alexandria	95	47	71.0	3.33	
Pittsford	94	47	67.1	2.83		Napoleon †	98	43	68.1	1.91		New Berlin	94	42	71.5	2.81	
Plattsburg Barracks	98	46	66.9	2.15		New England City †	98	36	68.2	1.90		New Bremen	96	45	71.8	2.93	
Port Jervis	91	46	68.2	3.20		Newark	92	45	66.2	3.90		New Comerstown	99	44	69.9	3.54	
Potsdam	91	44	67.6	3.34		Porta †	100	40	67.7	6.38		New Holland					
Poughkeepsie	93	40	68.2	2.24		Power †	95	44	66.4	6.38		New Moscow					
Rome	88	45	65.8	3.35		St. John †	95	40	64.0	3.90		New Paris	96	48	76.7	0.71	
Romulus	92	48	67.8	3.20		Sheyenne	95	38	65.2	2.75		New Waterford	92	35	64.7	3.38	
Rose †				2.58		Steele †	99	41	67.4	1.18		North Lewisburg	99	45	72.2	0.60	
Saranac Lake	90	39	63.0	2.46		University †	98	39	64.0	2.69		North Royalton	97	43	70.1	2.24	
Scottsville				2.10		Washburn	98	43	65.2	2.10		Norwalk	98	34	67.0	2.88	
Setauket †	88	54	69.6	3.41		Wild Rice †	98	43	67.3	4.12		Oberlin	99	44	70.2	0.75	
Skaneateles				2.90		Willow City †	94	36	64.4	2.72		Ohio State University	97	45	72.5	1.33	
South Canisteo	90	38	63.6	2.77		Woodbridge †	88	33	63.0	4.12		Orangefield	96	37	67.5	1.90	
South Kortright †	93	36	64.0	3.11		Akron	94	46	66.9	2.06		Ottawa	98	43	71.2	1.28	
Stillwater	92	42	68.8	4.71		Annapolis	100										

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		Stations.	Temperature. (Fahrenheit.)			Precipita- tion.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.		Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
<i>Ohio—Cont'd.</i>	°	°	°	In.	In.	<i>Oregon—Cont'd.</i>	°	°	°	In.	In.	<i>Pennsylvania—Cont'd.</i>	°	°	°	In.	In.
Sylvania.	101	44	70.8	1.81		The Dalles †.	97	47	70.1	0.82		Wilkesbarre †.	98	41	70.4	2.59	
Thurman.	106	50	75.2	1.99		Tillamook Rock L. H. †.	0.65		Williamsport.	98	50	69.9	1.93	
Tiffin †.	97	49	71.9	2.86		Umatilla †.	0.07		York †.	99	47	70.6	1.41	
Upper Sandusky.	94	40	71.0	2.45		Vale.	101	34	69.3	0.03		<i>Rhode Island.</i>	
Vanceburg.	96	47	73.1	1.66		West Fork †.	106	41	68.8	0.25		Bristol.	84	54	66.5	2.98	
Van Wert.	97	46	72.6	1.49		Weston.	103	38	66.6	0.41		Kingston.	87	48	67.4	5.36	
Vermilion.	98	45	69.8	1.25		Williams.	96	41	64.2	0.15		Lonsdale.	5.62	
Vickery.	97	47	69.3	1.37		<i>Pennsylvania.</i>		Pawtucket.	90	49	68.0	5.33	
Walnut.	.....	.....	1.50		Altona.	96	54	73.8	1.75		Providence a.	92	56	71.6	4.64	
Warren.	97	40	68.5	2.24	Aqueduct.	102	45	72.5	2.66		Providence c.	90	52	68.4	5.07		
Warsaw †.	102	40	68.1	2.12	Beaver Dam †.	.....	.....	.....	.....		<i>South Carolina.</i>	.....	.....	.....	.....
Wauseon.	99	45	72.2	0.71	Bethlehem.	.....	.....	.....	.....		Allendale †.	98	62	80.4	4.97	
Waverly.	101	46	75.1	1.80	Blooming Grove †.	99	53	67.5	4.18		Anderson †.	.....	.....	.....	2.42	
Waynesville.	98	40	69.3	1.81	Brookville †.	.....	.....	.....	.....		Batesburg †.	96	58	77.8	8.85	
Wellington.	94	46	71.2	1.25	Browers Lock.	.....	.....	.....	.....		Blackville †.	98	62	81.5	6.73	
Wheeler †.	.....	.....	2.18		Cassandra.	86	49	65.8	4.85		Camden †.	.....	.....	.....	2.68	
Willoughby.	.....	.....	3.24		Center Hall.	96	46	69.2	1.84		Central †.	98	59	77.4	8.82	
Wooster a.	93	42	68.6	2.19	Chambersburg †.	.....	.....	.....	.....		Cheraw a †.	100	56	80.6	0.78	
Youngstown.	95	46	68.8	1.65	Clarion †.	.....	.....	.....	.....		Cheraw b †.	.....	.....	.....	1.27	
Zanesville †.	.....	.....	1.50		Coatesville.	95	48	70.8	2.20		Conway †.	.....	.....	.....	5.52	
<i>Oklahoma.</i>	.....	.....	.....		Confluence †.	.....	.....	.....	.....		Darlington †.	98	64	82.7	.....	
Alva †.	105	55	77.8	4.26	Davis Island Dam †.	93	54	70.0	4.00		Edisto †.	.....	.....	.....	4.76	
Arapaho †.	102	55	77.6	5.08	DoylesTown.	.....	.....	.....	.....		Eminham †.	.....	.....	.....	4.45	
Britton †.	.....	.....	5.96		Drift.	90	46	65.9	2.66		Florence †.	97	60	81.4	3.44	
Burnett †.	99	57	78.4	4.88	Driftwood.	.....	.....	.....	.....		Georgetown †.	93	60	79.6	8.20	
Clifton †.	101	56	80.4	4.61	Dubois †.	.....	.....	.....	.....		Gillisonville †.	102	62	81.0	4.10	
End †.	105	55	79.6	1.63	Duncannon.	95	39	64.8	1.40		Greenville †.	91	58	76.4	3.43		
Fort Reno †.	104	52	79.0	2.24	Dyberry †.	.....	.....	.....	.....		Greenwood †.	96	64	80.1	3.78	
Fort Sill.	101	61	78.7	6.28	East Bloomsburg.	96	45	68.0	5.41		Hartdeeville †.	94	66	82.6	5.65		
Guthrie †.	103	58	81.0	3.64	East Mauch Chunk.	93	51	70.7	5.02		Holland †.	98	61	77.5	4.74		
Hennessey.	103	58	80.6	3.99	Easton.	.....	.....	.....	.....		Kingtree a †.	98	63	82.3	3.98	
Kekuk Falls †.	102	60	79.8	8.45	Edinboro †.	90	44	66.4	.....		Kingtree b †.	.....	.....	.....	3.69	
Mangum †.	105	54	76.6	6.33	Ellwood Junction †.	.....	.....	.....	.....		Little Mountain.	97	61	80.4	7.24	
Norman †.	104	58	81.0	4.23	Emporium.	92	45	67.0	3.06		Longshore †.	96	58	78.8	3.24		
Ponca †.	101	56	81.7	1.55	Farrandsville.	.....	.....	.....	.....		McCormick †.	101	63	80.4	3.15	
Pond Creek †.	100	50	76.2	4.17	Forks of Neshaminy †.	86	58	71.8	2.76		Mount Carmel †.	88	66	78.5	4.46		
Prudence †.	.....	.....	7.25		Frederick.	.....	.....	.....	.....		Pinopolis †.	94	69	82.6	6.59	
Sac and Fox Agency †.	97	56	78.2	9.05	Freeport †.	.....	.....	.....	.....		Port Royal †.	88	60	76.0	1.92	
Stillwater †.	100	56	78.4	3.60	Gettysburg †.	96	46	70.0	1.37		Red Hill †.	93	64	78.5	1.35		
Winnview †.	104	53	79.4	2.88	Girardville.	.....	.....	.....	.....		St. George †.	96	62	81.0	2.19	
<i>Oregon.</i>	.....	.....	.....		Grampian.	94	44	67.8	2.85		St. Matthews †.	96	61	80.6	6.34	
Albany a †.	99	39	66.1	0.39	Greensboro †.	.....	.....	.....	.....		St. Stephens †.	95	58	78.0	5.15	
Arlington †.	101	51	71.6	0.60	Hamburg.	95	50	70.7	3.51		Santuck †.	95	58	78.0	1.55		
Ashland b.	97	43	67.9	0.26	Hollidaysburg.	97	42	68.8	2.68		Shaws Fork †.	99	64	81.8	3.97		
Aurora a †.	102	55	70.6	0.17	Huntingdon a †.	97	42	68.0	3.15		Society Hill †.	91	59	77.9	4.60		
Aurora (near).	94	40	63.4	0.30	Huntingdon b.	.....	.....	.....	.....		Spartanburg †.	99	54	74.6	2.90	
Bandon.	78	45	58.8	1.01	Johnstown †.	.....	.....	.....	.....		Statesburg †.	91	63	78.9	5.62	
Beulah †.	93	38	67.8	0.00	Karthaus.	.....	.....	.....	.....		Trenton.	92	66	79.8	4.88	
Brownsville †.	98	55	70.5	0.32	Keating.	.....	.....	.....	.....		Trial †.	92	66	79.5	4.71	
Burns.	21	50	59.6	0.00	Kennett Square.	94	50	71.0	2.90		Yorkville.	93	62	77.6	3.46		
Canyon City †.	99	40	69.6	0.20	Lancaster.	96	48	71.8	3.28	<i>South Dakota.</i>	.....	.....	.....	.....
Cascade Locks.	25	49	69.6	1.15	Lansdale.	.....	.....	.....	.....		Aberdeen †.	98	44	68.0	2.82	
Comstock †.	26	48	66.1	0.45	Lebanon.	98	47	70.6	2.10		Alexandria †.	99	33	70.5	2.14		
Condon.	95	37	65.2	0.47	Le Roy †.	94	46	66.0	3.42		Ashcroft †.	100	34	68.0	0.38		
Corvallis (near).	96	43	66.8	0.41	Lewisburg.	97	42	68.8	2.54		Bowdrie †.	99	52	73.1	2.18		
Dayville †.	99	41	66.6	0.42	Lock Haven †.	98	47	71.4	2.83		Brookings †.	98	39	69.3	3.79		
Detroit †.	100	40	65.2	1.00	Lock No. 4 †.	.....	.....	.....	.....		Buffalo Gap †.	102	50	71.0	2.30	
Eugene †.	96	43	64.4	0.30	Lycippus.	92	46	70.0	3.82		Castlewood †.	102	33	69.2	2.79		
Fife †.	91	30	59.6	0.20	Mahoning †.	.....	.....	.....	.....		Cross †.	91	36	63.2	0.86	
Glenora.	98	35	60.8	1.78	Mifflin.	.....	.....	.....	.....		De Smet †.	.....	.....	.....	2.35	
Grants Pass a †.	100	38	68.6	0.15	Oil City †.	.....	.....	.....	.....		Edgemont.	.....	.....	.....	0.43	
Happy Valley †.	99	27	61.5	0.20	Ottoville.	.....	.....	.....	.....		Farmingdale.	.....	.....	.....	0.52	
Heppner †.	95	42	65.7	0.25	Parker †.	.....	.....	.....	.....		Faulkton †.	103	43	69.4	1.89	
Hood River (near).	87	43	62.8	0.64	Philadelphia a.	.....	.....	.....	.....		Flandreau †.	96	38	68.8	2.05	
Hubbard.	95	40	64.0	0.46	Philadelphia b.	95	56	73.2	3.15		Forestburg †.	100	36	72.3	0.71		
Irvington *.	95	17	.....	0.20	Philadelphia c.	91	52	73.0	3.48		Forest City †.	107	27	73.7	1.05	
Jacksonville.	94	43	67.4	0.22	Point Pleasant.	.....	.....	.....	.....		Fort Meade.	96	46	69.6	0.55	
Joseph †.	91	35	60.4	0.64	Pottstown.	96	52	72.4	2.83		Gary †.	100	44	70.6	2.36		
Junction City *.	102	48	66.9	0.48	Quakertown.	94	46	68.8	4.63		Greenwood.	100	41	74.4	0.97		
Klamath Falls.	97	35	67.2	0.50	Reading †.	.....	.....	.....	.....		Hightmore †.	102	49	73.1	0.86	
Lafayette *.	100	54	70.0	0.00	Reno.	.....	.....	.....	.....		Hitchcock.	104	38	72.4	1.12	
La Grande †.	28	42	66.4	0.50	Ridgeway †.	.....	.....	.....	.....		Hotch City †.	97	36	69.4	2.22	
Lakeview †.	88	39	65.0	0.20	Saegerstown.	95	35	65.4	3.15		Howard †.	96	48	71.0	2.60		
Langlois.	90	40	60.0	1.48	Selinsgrove.	98	46	69.6	2.54		Ipswich *.	103	41	70.4	2.94		
Lone Rock.	98	29	58.6	0.38	Shinglehouse.	93	34	63.0	1.20		Kimball †.	103	47	73.1	1.32		
Lores.	94	38	66.6	1.50	Sinnamahoning.	.....	.....	.....	.....		Leslie †.	111	45	76.2	0.50	
McMinnville a †.	98	39	65.2	0.43	Smethport.	90	37	68.8	2.83		Mellette †.	103	41	70.4	2.94		
McMinnville b *.	98	48	65.3	0.45	Smiths Corners.	.....	.....	.....	.....		Millbank †.	96	40	67.8	2.63	
Merlin.	102	5															

MONTHLY WEATHER REVIEW.

JULY, 1895

TABLE II.—*Meteorological record of voluntary and other cooperating observers—Continued.*

Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.			Stations.	Temperature. (Fahrenheit.)			Precipita- tion.		
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.			Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.	
Tennessee.																				
Andersonville [*]	95	52	73.9	4.80	In.	In.	Texas—Cont'd.	96	96	73.2	5.06	In.	In.	Virginia—Cont'd.	96	96	73.0	3.93	In.	
Arlington [†]	100	60	77.9	7.57			Orange [†]	96	75	82.4 ^b	3.74	Panter [†]	102 ^a	Nottoway	100	56	75.6	3.92		
Ashwood ^{*†}	92	62	75.9	8.67			Paris [†]	96	62	80.7	9.46	Salem [†]	97	Petersburg [†]	97	58	75.6	5.00		
Bolivar [†]	94	62	77.6	5.77			Roby [†]	107	54	77.2	12.07	Salisbury [†]	100	Richmond (near) [†]	100	58	75.3	5.28		
Brownsville [†]	98	61	79.3	5.05			Rockport [†]	96	80	85.8	.....	Smithville [†]	96	Richmond b [†]	96	58	74.5	4.29	
Byrdstown [†]	91	59	74.9	9.27			Rock Springs ^{*†}	98	88	82.0	3.13	Spottserville [†]	98	Rocky Mount [†]	92	58	74.4	4.83		
Carthage [†]	94	61	76.4	5.72			Round Rock [†]	98	78	87.0	0.90	Staunton [†]	91	Salem [†]	92	53	73.7	6.07		
Clarksville [†]	94	61	76.4	5.08			Kings [†]	100	74	85.9	0.60	Stephens City [†]	97	Salisbury [†]	91	53	70.4	8.39		
Clinton [†]	94	61	76.4	5.08			San Antonio [†]	99	74	85.8	0.75	Sunbeam [†]	94	Smithville [†]	95	55	74.4	4.15		
Columbia [†]			5.94				San Marcos a [†]					Warsaw [†]	95	Spottserville [†]	94	50	71.3	3.59		
Covington [†]	99	60	79.1	7.90			San Marcos b [†]	98	74	86.0	T	Westbrook Farm [†]	97	Staunton [†]	96	48	70.7	4.71		
Dyersburg [†]	99	56	78.8	4.77			Sierra Blanca [†]	100	80	78.6	2.42	Washington [†]	94	Stephens City [†]	97	50	72.2	4.49		
Elizabethton [†]	94	55	74.2	9.54			Stafford [†]	102	69	85.4	0.83	Aberdeen [†]	94	Sunbeam [†]	94	58	75.6	7.91		
Fairmount ^{*†}	84	64	73.2				Sulphur Springs [†]	103	68	84.6	10.25	Ellensburg [†]	95	Warsaw [†]	95	55	74.5	4.85		
Florence [†]	91	60	75.8	5.02			Temple [†]	97	70	83.6	1.37	West Ferndale [†]	90	West Ferndale [†]	95	56	74.7	.....	
Greeneville [†]	94	56	72.8	6.15			Twohig [†]	104 ^a	69	86.6 ^a	0.00	Washington [†]	94	Washington [†]	94	42	61.0	0.90		
Hohenwald ^{*†}	64	73.6	7.33				Tyler [†]	102	68	82.5	5.84	Aeracortes		Blaine	88	35	60.6	0.30		
Jacksonboro [†]	91	56	71.8	6.20			Waco [†]	98	70	85.0	2.47	Bridgeport [†]	104	Blaine	88	28	64.8	0.05		
Jackson [†]	95	60	77.0	5.74			Weatherford [†]	97	63	81.8	5.24	Cascade Tunnel [†]	97	Bridgeport [†]	97	36	55.8	0.49		
Johnsonville [†]			7.92				Wichita Falls [†]	100	50	78.8	4.97	Centerville [†]	98	Cascade Tunnel [†]	98	40	65.8	0.32		
Lynville ^{*†}	95	60	74.5	6.05			Utah.					Colfax [†]	93	Centerville [†]	93	39	63.8	0.71		
McMinnville [†]	91	52	73.4	6.73			Blue Creek [†]	98	50	76.6	T	Connell [†]	100	Colfax [†]	90	40	67.3	0.06		
Milan [†]	96	56	77.4	4.18			Brigham City [†]					East Sound [†]	78 ^a	Connell [†]	98	35	60.6	0.14		
Mount Carmel [†]	92	61	76.0	8.01			Cisco [†]	106	46	78.4	0.57	Ellensburg [†]	91	East Sound [†]	91	28	64.8	0.05		
Newport ^{*†}	96	60	75.4	5.31			Corinne ^{*†}	90	50	84.8	0.12	Ellensburg (near) [†]	98	Ellensburg [†]	91	41	64.1	T		
Nunnelly ^{*†}	91	64	76.3	6.91			Deseret [†]	93	46	70.6	T	Fort Simcoe [†]	95	Ellensburg (near) [†]	95	40	70.4	0.12		
Palmetto [†]			5.57				Fillmore [†]	110	35	69.4	0.56	Fort Spokane [†]	96	Fort Simcoe [†]	96	40	67.3	0.06		
Riddletown [†]	98	62	78.4				Fort Duchesne [†]					Grand Mound [†]	93	Fort Spokane [†]	93	38	63.6	0.19		
Rockwood [†]			5.68				Giles [†]	105	44	76.6	0.14	Hunters [†]	86	Grand Mound [†]	86	34	59.6	0.48		
Rogersville ^{*†}	93	58	73.3	8.70			Green River [†]	106	50	80.0	0.00	Kennewick [†]	103	Hunters [†]	86	38	62.9	0.24		
Rugby ^{*†}	91	60	73.4	4.93			Grouse Creek ^{*†}	94	45	69.3	0.12	Lakeside [†]	96	Kennewick [†]	96	50	70.7	T		
Savannah [†]	94	65	76.6	6.56			Grover ^{*†}	90	36	60.5	2.29	Madrone ^{*†}	87	Lakeside [†]	87	41	60.8	0.63		
Springdale [†]	96	60	76.7	10.83			Heber [†]	95	35	65.0	1.37	Mayfield [†]	98	Madrone ^{*†}	98	40	64.3	1.09		
Trenton [†]	92	58	75.4	4.59			Huntsville [†]					Monte Cristo [†]	89	Mayfield [†]	89	42	60.3	2.20		
Tulahoma ^{*†}	93	54	70.9	5.50			Kelton ^{**}	95	50	75.0	1.14	Moxee Valley [†]	99	Monte Cristo [†]	99	36	69.7	0.01		
Waynesboro ^{*†}	94	59	75.3	6.15			Koosharem [†]	90	36	63.1	1.41	New Whatcom [†]	84	Moxee Valley [†]	84	37	60.9	0.04		
Texas.							Levan [†]	92	45	74.2	0.84	Olga [†]	85	New Whatcom [†]	85	44	61.5	0.17		
Albany ^{*†}	88	60	75.4	6.23			Loa [†]	93	33	63.8	0.71	Pine Hill [†]	91	Olga [†]	91	44	67.3	0.40		
Alice [†]	93	70	83.7	0.00			Logan [†]	92	46	68.8	0.56	Pomeroy [†]	90	Pine Hill [†]	90	50	70.0	0.30		
Angleton [†]	100	68	82.2	1.47			Manti [†]	104	42	74.8	0.85	Rosalia [†]	98	Pomeroy [†]	98	37	63.2	0.23		
Arthur City [†]			7.18				Millville [†]					Silver Creek [*]	96	Rosalia [†]	96	40	50.6	0.98		
Aurora ^{*†}	99	66	80.2	3.82			Koosharem [†]	90	36	63.1	1.41	Snohomish [†]	87	Silver Creek [*]	87	39	62.1	1.09		
Austin a [†]	99	67	84.6	0.00			Levan [†]	92	45	74.2	0.84	South Bend [†]	93	Snohomish [†]	93	39	63.0	1.50		
Austin b ^{*†}	96	73	84.7				Logan [†]	92	46	68.8	0.56	Stampede [†]	90	South Bend [†]	90	33	60.8	1.23		
Ballinger [†]			4.16				Millville [†]					Stillaguamish [†]	90	Stampede [†]	90	38	60.1	0.30		
Belton [†]	102	61	86.8	1.48			Promontory [†]	99	60	78.6	T	Sundyside [†]	100	Stillaguamish [†]	100	40	72.6	0.11		
Boerne ^{*†}	96	73	84.2	0.16			St. George [†]	108	50	70.8	1.10	Tacoma [†]	88	Promontory [†]	88	44	62.0	0.39		
Brady [†]	100	68	81.7	3.04			Scipio [†]	94	40	64.4	0.43	Union City [†]	95	St. George [†]	95	45	65.9	0.88		
Brazoria [†]	25	73	82.6	0.93			Snowville [†]	93	37	65.8	0.26	Vashon [†]	90	Scipio [†]	90	33	55.0	0.35		
Brenham [†]	99	73	86.6	2.99			Soldier Summit [†]	95	25	57.8	0.34	Waterville [†]	98	Soldier Summit [†]	98	39	66.5	0.00		
Burnet ^{*†}	96	73	85.2	1.81			Terrace [†]	102	50	82.2	0.02	Wenatchee Lake [†]	94	Terrace [†]	94	38	60.3	0.10		
Camp Eagle Pass [†]	106	73	89.4	0.00			Thistle [†]	96	37	65.5	0.51	West Ferndale [†]	90	Terrace [†]	90	40	61.6	0.13		
Chillicothe [†]	104	56	76.4	8.80			Vernal [†]	94	34	69.0	0.76	West Virginia.		Thistle [†]						
Coleman ^{*†}	98	60	81.8	4.74								Beverly [†]	94	Thistle [†]	94	48	70.1	5.30		
Columbiat [†]	96	71	83.4	0.04								Bloomery [†]	92	Beverly [†]	92	46	66.6	3.12		
Corsicana ^{b†}	100	66	82.9	5.89								Bluefield [†]	96	Bloomery [†]	96	49	69.5	6.58		
Cuero [†]	98	66	85.6	0.04								Buckhannon a [†]	93	Bluefield [†]	93	47	73.3	3.67		
Dallas [†]	98	64	81.8	3.61								Buckhannon b [†]	93	Buckhannon a [†]	93	45	67.6	3.64		
Deant [†]	97	48	73.6	0.00								Central Station ^{*†}	97 ^a	Buckhannon b [†]	97 ^a	47	73.3	4.19		
Devine [†]	98	70	83.9	T.								Charleston [†]		Central Station ^{*†}						
Durham [†]			5.99									Cloverdale [†]		Charleston [†]						
Duval ^{*†}	106	78	88.0	T.								Dayton ^{*†}	95	Cloverdale ^{†</}						

TABLE II.—*Meteorological record of voluntary and other cooperating observers*—Continued.

Temperature. (Fahrenheit.)				Precipita- tion.		Temperature. (Fahrenheit.)				Precipita- tion.	
Stations.				Rain and melted snow.		Stations.				Rain and melted snow.	
	Maximum.	Minimum.	Mean.		Ins.		Maximum.	Minimum.	Mean.		Ins.
Wisconsin—Cont'd.							Wisconsin—Cont'd.				
Barron †	94	37	65.1	4.98	Ins.	Racine * ¹⁰	85	48	66.8	.....	.....
Bayfield	93	49	66.8	.....		Royalton	95	39	67.3	2.03	
Beaver Dam	95	45	71.6	1.45		Sharon †	93	42	68.8	4.07	
Belleville	95	39	69.0	2.00		Shawano	93	36	65.4	2.02	
Beloit	96	46	71.6	2.90		Sheboygan * ¹⁰	89	53	68.2	.....
Berlin	99	41	68.5	1.90		Spooner †	94	38	65.9	2.77	
Black River Falls †	100	37	68.2	8.06		Stevens Point †	85	41	67.8	2.11	
Butternut †	95	36	64.5	4.21		Sturgeon Bay Canal * ¹⁰	85	43	64.6	.....
Centralia	95	38	68.9	1.45		Two Rivers * ¹⁰	84	48	66.1	.....
Chilton	96	42	69.6	1.79		Valley Junction †	93	37	66.0	1.73	
Clarendon †	95	35	64.6	3.35		Viroqua	97	42	70.4	1.33	
Delavan †	97	40	69.2	5.33		Watertown †	94	42	70.4	2.24	
Deperet	92	42	67.6	2.25		Waukesha †	92	45	69.2	1.79	
Eau Claire	95	41	68.8	4.13		Waupaca †	92	43	66.6	0.70	
Florence †	89	38	61.0	1.81		Wausau †	93	44	68.4	3.30	
Fond du Lac †	93	40	68.4	2.15		West Bend	93	44	68.4	1.10	
Grantsburg †	94	39	67.5	4.36		Westfield †	96	44	69.6	1.76	
Hartford	.....	.....	.....	2.57		Whitehall †	93	35	65.6	2.64	
Harvey †	96	41	69.6	2.98		Wyoming.					
Hillsboro	95	35	66.8	2.46		Big Horn Ranch	89	36	57.1	1.36	
Janesville †	97	43	69.4	1.86		Fort Laramie †	100	49	68.6	1.89	
Kenosha * ¹⁰	96	50	70.9	.....		Fort Washakie	92	36	68.6	0.64	
Koepenick † ¹	96	50	65.0	2.50		Fort Yellowstone †	87	33	60.0	0.57	
Lancaster †	95	49	72.0	1.88		Laramie	87	34	58.9	2.71	
Lincoln † ²	.....	70.0	1.63			Lusk	97	35	66.6	1.32	
Madison	92	40	71.7	1.21		Sheridan	94	39	68.6	0.57	
Manitowoc †	90	43	64.3	1.85		Sundance	91	37	64.4	0.45	
Meadow Valley †	91	37	66.4	1.49		Wheatland	101	42	70.4	1.46	
Medford †	97	35	66.4	3.86		Mexico.					
Neillsville †	92	38	66.0	2.93		Ciudad P. Diaz	100	74	68.2	0.00	
New Holstein	94	44	68.5	1.58		Leon de Aldañas	85	54	70.0	6.51	
Oconomowoc †	95	44	69.2	1.63		Mexico	78	52	64.6	4.14	
Oconto	90	38	65.1	0.89		Puebla	89	52	67.3	3.74	
Osceola †	94	34	67.0	5.35		Topolobampo * ¹	98	75	86.5	2.89	
Pepin	100	45	68.9	4.27		New Brunswick.					
Pine River†	98	42	66.8 ^b	2.82		St. John	78	51	64.5	3.53	
Port Washington	92	44	67.3	0.98							
Prairie du Chien	100	38	71.2	1.44							

EXPLANATION OF SIGNS.

* Extremes of temperature from observed readings of dry thermometer.

[†] Weather Bureau instruments.

[†] Record furnished by the Arrowhead Reservoir Company, in the San Bernardino Mountains, San Bernardino County, Cal., at elevations varying from 4,900 to 6,900 feet.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

¹ Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. ÷ 4.

² Mean of 8 a. m. + 8 p. m. + 3

^a Mean of 7 a. m. + 7 p. m. \div 2

⁴ Mean of 6 g. m. + 6 p. m. $\div 2$

⁵ Mean of 7 a. m. \pm 2 p. m. \pm 2

² Mean of readings at various

⁶ Mean of readings at various hours reduced to true daily mean by special tables.

¹ Mean from hourly readings of thermograph

⁷ Mean from hourly readings of thermog.

⁸ Mean of 7 a. m. + 2 p. m. + 9 p. m. ÷ 3.

⁹ Mean of sunrise and noon.

¹⁰ Mean of sunrise, noon, sunset, and midnight.
The values are for 1970 and indicate that the

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as

An italic letter following the name of a station, as "Livingston *a*," "Livingston *b*," indicates that two or more observatories, as the case may be, are reporting from

more observers, as the case may be, are reporting from the same station. A small roman letter following the

the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance,

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the

Note.—The following changes have been made in precipitation record receive appropriate notice.

NOTE.—The following changes have been made in names of stations: Minnesota, Bonniwells Mills changed

names of stations: Minnesota, Boniwell's Mills changed to Boniwell. Missouri, Panacea changed to Mineral

TABLE III.—*Data from Canadian stations—Continued.*

TABLE IV.—*Mean temperature for each hour of seventy-fifth meridian time, July, 1895.*

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.	
Abilene, Tex.	74.3	73.5	73.1	72.8	72.2	71.5	71.5	72.4	73.2	74.4	75.8	81.4	83.0	84.7	86.0	86.6	86.4	85.5	83.3	79.4	77.2	76.0	75.3	78.5	78.5	
Albany, N. Y.	65.5	65.0	64.4	63.7	63.2	68.7	65.4	67.5	69.4	71.5	73.7	74.6	75.8	77.3	78.0	78.3	77.3	76.0	74.4	71.8	70.2	68.5	67.3	66.2	70.4	
Alpena, Mich.	57.3	56.5	55.7	55.1	54.3	54.3	56.8	60.3	63.7	65.8	67.2	68.5	69.3	69.3	68.8	67.8	66.9	65.2	63.8	61.8	60.3	58.6	58.7	59.2	59.2	
Amarillo, Tex.	67.9	67.2	66.5	65.5	65.0	64.5	64.5	65.8	67.5	70.1	72.8	74.7	76.8	78.9	79.5	80.1	80.7	80.6	79.6	77.6	74.7	72.2	70.8	69.6	72.2	
Atlanta, Ga.	72.8	72.0	71.8	70.8	70.3	70.0	70.1	72.4	74.2	76.4	78.4	80.0	81.6	82.7	82.7	82.9	81.8	81.7	80.6	78.4	75.3	74.5	73.8	73.8	73.8	
Augusta, Ga.	74.2	73.5	72.5	71.9	71.4	71.3	73.3	75.9	76.8	81.6	83.8	85.1	85.5	86.3	86.8	86.8	86.4	84.5	82.3	80.2	77.4	76.2	75.1	79.1	79.1	
Baker City, Oreg.	61.6	59.0	57.8	56.2	54.4	52.5	51.4	50.9	53.4	58.5	62.8	65.7	68.9	71.8	74.4	76.0	77.7	77.2	75.6	73.5	70.0	66.7	64.1	64.9	64.9	
Baltimore, Md.	69.2	68.6	68.1	67.6	67.2	68.1	69.5	72.6	74.6	76.6	78.3	78.8	79.5	80.0	80.2	81.6	82.6	82.5	82.2	81.6	79.8	77.1	76.0	69.6	73.2	
Bismarck, N. Dak.	62.6	61.1	59.5	58.5	57.4	56.4	57.1	59.5	62.8	67.2	70.0	72.5	74.5	76.1	77.3	78.1	77.7	76.3	74.4	71.7	69.7	67.1	65.7	67.6	67.6	
Boston, Mass.	64.9	64.0	63.7	63.6	64.1	66.2	68.2	70.4	72.1	72.9	73.4	73.8	73.9	73.7	73.0	71.6	69.9	68.4	67.6	66.8	66.0	65.6	66.8	66.7	66.7	
Buffalo, N. Y.	64.8	64.2	63.8	63.0	62.8	63.6	65.1	67.1	68.4	69.2	70.4	71.4	72.0	72.5	72.9	73.1	73.7	71.8	70.8	69.6	68.8	67.6	66.1	65.2	66.2	
Charleston, S. C.	77.7	77.2	76.8	76.6	76.8	75.6	77.0	79.3	81.7	83.5	85.4	86.6	86.9	86.4	86.1	85.9	85.2	82.6	80.7	79.6	78.7	77.2	77.1	79.8	80.8	
Charlotte, N. C.	71.8	70.7	70.2	69.7	69.9	72.5	72.5	72.6	75.5	78.5	80.7	82.2	83.4	84.0	85.5	85.2	83.8	80.2	77.6	76.3	74.9	73.6	72.6	72.6	72.6	
Cheyenne, Wyo.	57.4	56.8	55.5	54.5	53.6	52.7	52.8	54.9	55.1	62.4	65.2	67.5	69.5	70.8	71.4	71.7	71.3	70.2	69.3	66.3	62.8	60.1	58.3	62.7	62.7	
Chicago, Ill.	68.7	67.9	67.7	67.3	66.5	66.1	66.3	67.7	69.3	71.0	72.0	72.5	72.8	73.8	73.7	73.0	72.5	71.2	70.8	70.5	70.0	69.2	69.2	70.4	70.4	
Cincinnati, Ohio	72.4	71.6	70.6	69.8	68.9	68.4	68.1	70.3	71.7	74.2	76.4	78.4	79.7	80.4	80.9	81.6	80.7	78.9	77.7	76.2	74.7	73.4	73.4	75.3	75.3	
Cleveland, Ohio	66.4	65.7	65.1	64.9	63.2	63.0	63.9	66.6	69.1	71.2	72.8	73.0	73.5	74.4	74.5	75.0	74.4	72.9	71.9	70.5	68.8	67.6	69.8	69.8	69.8	
Columbus, Ohio	69.0	67.7	66.7	65.8	65.1	65.5	65.4	66.3	67.1	74.6	77.4	79.2	80.8	81.9	82.6	83.0	82.5	81.7	80.1	77.5	75.6	73.5	71.7	70.3	74.0	
Denver, Colo.	68.0	61.9	60.7	59.8	59.0	58.4	57.8	59.2	60.7	64.3	67.9	71.2	73.2	75.7	75.7	76.5	75.4	74.1	68.3	66.4	64.3	67.2	67.2	67.2	67.2	
Des Moines, Iowa	68.7	67.5	65.4	64.6	63.7	63.6	66.1	69.0	70.0	72.0	74.8	76.6	77.8	79.7	80.5	80.8	80.0	79.4	78.6	76.0	73.9	71.8	70.3	72.8	72.8	
Detroit, Mich.	65.7	65.0	64.2	63.4	62.8	62.3	62.8	63.8	67.9	70.7	73.1	75.4	76.7	77.5	77.5	77.5	77.1	76.9	75.3	72.4	70.7	68.9	67.5	66.5	70.1	
Dodge City, Kans.	68.8	68.0	66.9	66.3	65.7	65.6	67.0	69.5	72.2	75.3	77.9	79.8	80.8	81.9	82.5	82.6	81.5	79.5	76.1	73.4	71.9	70.1	73.8	73.8	73.8	
Duluth, Minn.	61.1	61.1	60.7	60.3	60.1	60.1	60.1	60.7	61.1	61.2	62.8	63.9	64.1	64.3	64.5	64.6	64.3	63.6	62.4	61.2	60.1	59.0	58.0	58.0	58.0	
Eastport, Me.	54.6	54.0	54.0	53.9	54.6	54.6	55.9	57.7	59.7	61.3	62.2	63.8	64.3	64.5	64.8	64.8	63.0	62.0	60.5	59.4	58.4	57.3	56.4	55.5	59.0	
El Paso, Tex.	71.4	73.4	73.2	71.5	70.3	69.5	68.9	72.0	73.0	77.9	81.2	83.5	85.7	87.4	88.5	89.0	88.3	87.2	85.3	82.0	79.6	77.6	75.6	75.6	75.6	
Fort Smith, Ark.	73.9	72.8	72.3	71.8	71.4	72.0	74.8	76.3	78.0	79.8	81.6	82.9	83.3	84.3	84.9	84.6	83.2	81.2	78.8	77.5	76.0	74.8	78.1	78.1	78.1	
Galveston, Tex.	81.4	81.2	81.5	81.3	81.3	81.2	81.2	81.8	82.6	83.3	84.9	84.6	84.6	84.6	84.6	84.7	84.2	83.8	82.6	82.0	81.9	81.6	82.8	82.8	82.8	
Grand Haven, Mich.	63.8	62.4	61.5	60.7	60.4	59.4	60.6	61.4	61.7	63.6	71.5	71.5	72.3	72.3	72.5	72.5	73.1	73.3	72.2	70.5	69.3	68.3	67.2	67.2	67.2	
Havre, Mont.	60.7	59.3	58.2	57.0	55.9	54.1	53.6	55.5	56.3	60.2	66.0	68.8	71.1	73.1	75.1	76.5	76.5	75.7	74.2	72.2	70.8	69.3	68.3	68.2	68.2	
Helena, Mont.	62.8	61.5	60.2	59.0	58.2	56.7	55.1	55.9	58.1	60.3	62.9	63.5	68.3	70.5	72.6	73.8	74.9	75.2	74.8	73.0	72.1	69.6	64.6	65.5	65.5	
Huron, S. Dak.	63.6	61.7	59.8	59.0	57.6	57.5	58.3	62.4	67.4	72.5	78.3	80.8	82.3	82.8	82.5	82.2	80.9	79.4	74.9	71.5	68.1	65.9	71.2	71.2	71.2	
Independence, Cal.	77.5	75.5	73.6	72.6	71.2	69.5	69.5	69.6	71.4	76.8	78.8	82.5	83.5	83.5	83.5	83.2	82.9	80.0	88.7	86.8	84.0	81.2	79.5	79.0	79.0	
Indianapolis, Ind.	68.7	67.7	66.3	65.4	64.3	63.9	65.5	68.6	72.3	75.1	78.0	79.3	81.1	82.5	83.9	83.5	83.2	82.9	80.3	77.5	75.2	72.8	71.1	70.0	74.1	74.1
Jacksonville, Fla.	77.0	76.8	76.5	75.2	73.8	75.6	75.9	78.7	79.5	81.0	83.5	85.0	86.2	87.7	88.5	88.5	88.5	88.1	87.6	86.6	85.6	84.2	83.2	82.2	82.2	
Kansas City, Mo.	70.7	70.1	69.1	68.3	67.9	67.5	67.3	68.9	70.5	74.7	77.4	79.0	80.8	80.2	80.2	79.0	77.0	72.8	74.4	77.1	77.1	77.1	77.1	77.1	77.1	
Key West, Fla.	81.1	81.2	80.9	80.8	80.8	80.8	82.1	83.5	84.5	85.1	86.0	86.5	86.6	86.6	86.5	86.4	86.1	85.6	85.4	84.5	83.0	81.6	80.9	83.4	83.4	
Knoxville, Tenn.	70.9	70.2	69.6	69.1	68.7	68.3	68.8	70.8	70.7	72.9	75.6	77.8	79.0	80.4	81.4	82.3	81.3	80.2	79.1	77.1	75.1	73.5	71.5	71.5	71.5	
Lander, Wyo.	60.0	59.5	57.4	55.2	54.1	51.6	52.5	55.9	58.3	63.6	66.4	67.0	68.6	69.0	69.0	69.7	67.6	66.2	65.2	64.1	62.6	61.6	60.7	62.7	62.7	
Little Rock, Ark.	74.9	74.3	73.9	73.4	73.0	72.5	72.6	74.1	76.5	78.9	80.5	82.0	82.8	84.2	84.1	83.5	82.7	81.3	79.8	77.4	75.3	73.8	73.8	73.8	73.8	
Louisville, Ky.	70.8	70.1	69.7	67.9	67.7	67.3	68.7	70.1	73.0	76.0	78.2	80.4	81.6	81.6	81.6	81.6	81.2	80.2	79.0	76.0	74.8	72.8	71.7	75.2	75.2	
Lynchburg, Va.	68.8	67.7	67.1	66.6	66.9	66.9	67.4	71.4	76.0	78.8	80.7	81.7	82.2	82.8	81.1	79.4	77.6	73.8	73.8	70.6	68.8	67.4	74.4	74.4	74.4	
Marquette, Mich.	58.9	57.9	55.2	57.5	56.9	57.8	61.6	63.1	65.4	67.0	67.6	67.9	68.6	69.5	69.5	69.5	68.5	68.0	67.2	66.2	65.0	64.5	63.0	62.7	62.7	
Memphis, Tenn.	74.7	74.2	73.7	73.4	73.0	72.7	72.7	74.1	74.8	76.8	77.9	81.3	82.1	82.7	83.3	83.5	83.2	82.9	80.3	77.5	77.2	76.3	75.3	77.5	77.5	
Milwaukee, Wis.	65.2	63.5	63.4	62.8	62.2	61.8	62.1	63.5	65.2	67.3	70.5	72.4	74.1	75.5	76.5	77.0	77.4	76.1	74.1	72.2	70.3	68.3	67.3	68.2	68.2	
Mobile, Ala.	77.0	77.1	76.7	76.1	76																					

TABLE V.—*Mean pressure for each hour of seventy-fifth meridian time, July, 1895.*

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.	
Abilene, Tex.	.98210	.911	.911	.909	.913	.920	.923	.943	.952	.956	.957	.948	.935	.915	.199	.182	.171	.165	.166	.176	.169	.203	.207	.214	
Albany, N. Y.	.959	.858	.863	.867	.876	.883	.890	.905	.908	.905	.878	.868	.857	.849	.834	.824	.825	.826	.827	.847	.851	.855	.856	.858	
Alpena, Mich.	.939	.923	.922	.923	.926	.933	.941	.944	.938	.934	.929	.923	.917	.910	.905	.901	.900	.904	.911	.915	.917	.922	.919	.919	
Atlanta, Ga.	.988	.876	.877	.881	.889	.891	.901	.912	.918	.919	.918	.913	.901	.886	.873	.861	.854	.866	.869	.873	.891	.892	.891	.887	
Augusta, Ga.	.971	.845	.840	.839	.841	.851	.860	.871	.881	.880	.878	.873	.858	.849	.837	.817	.807	.806	.814	.826	.841	.850	.854	.858	
Baltimore, Md.	.99790	.787	.785	.788	.797	.804	.814	.816	.815	.811	.809	.802	.798	.780	.769	.764	.766	.773	.776	.788	.794	.796	.797	.791	
Bismarck, N. Dak.	.98201	.192	.905	.905	.909	.915	.925	.928	.926	.923	.922	.913	.905	.895	.887	.877	.867	.854	.844	.834	.825	.815	.817	.822	.819
Boston, Mass.	.938	.808	.805	.810	.820	.824	.833	.835	.831	.829	.824	.818	.808	.802	.793	.790	.786	.785	.786	.813	.811	.809	.807	.811	
Buffalo, N. Y.	.98244	.235	.231	.234	.243	.249	.250	.259	.250	.258	.258	.253	.246	.241	.233	.227	.224	.225	.229	.237	.240	.243	.241	.241	
Charleston, S. C.	.90034	.016	.010	.010	.013	.023	.031	.038	.040	.038	.047	.036	.025	.014	.002	.004	.005	.001	.008	.023	.031	.032	.027	.020	
Chicago, Ill.	.99130	.126	.123	.128	.135	.143	.152	.157	.161	.160	.161	.159	.155	.146	.135	.127	.121	.111	.118	.116	.123	.131	.132	.134	.137
Cincinnati, Ohio.	.99361	.858	.855	.857	.865	.874	.884	.889	.890	.889	.885	.879	.870	.862	.850	.841	.836	.830	.831	.835	.846	.857	.861	.863	.861
Cleveland, Ohio.	.99206	.204	.209	.219	.229	.239	.245	.245	.243	.242	.235	.230	.218	.209	.204	.197	.194	.195	.197	.199	.201	.204	.206	.215	.215
Columbus, Ohio.	.98147	.144	.137	.142	.148	.161	.170	.175	.177	.175	.168	.159	.146	.134	.124	.114	.110	.108	.112	.118	.125	.134	.146	.142	.142
Denver, Colo.	.94863	.857	.854	.852	.850	.852	.859	.868	.872	.876	.874	.872	.868	.868	.864	.860	.859	.858	.859	.857	.840	.859	.865	.864	.864
Des Moines, Iowa.	.99088	.086	.087	.087	.088	.102	.115	.118	.121	.121	.120	.117	.107	.099	.089	.079	.065	.061	.056	.057	.058	.071	.079	.082	.090
Detroit, Mich.	.99295	.226	.224	.225	.230	.239	.248	.256	.260	.255	.252	.244	.232	.221	.205	.202	.198	.199	.202	.212	.219	.224	.226	.227	.227
Dodge City, Kans.	.97431	.424	.418	.412	.418	.420	.427	.425	.441	.448	.440	.443	.438	.431	.421	.411	.406	.403	.404	.407	.421	.430	.419	.419	.419
Duluth, Minn.	.99204	.203	.201	.203	.213	.218	.223	.225	.225	.223	.220	.225	.221	.214	.207	.196	.192	.186	.184	.187	.193	.198	.201	.204	.208
Eastport, Me.	.99344	.840	.838	.846	.850	.854	.852	.853	.849	.845	.841	.835	.832	.830	.829	.829	.831	.836	.843	.848	.850	.850	.845	.843	
El Paso, Tex.	.98219	.921	.919	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915	.915
Eureka, Cal.	.99084	.964	.977	.971	.965	.958	.953	.951	.951	.953	.954	.956	.957	.951	.951	.954	.956	.956	.956	.956	.957	.979	.988	.974	.974
Fort Canby, Wash.	.99217	.910	.913	.911	.907	.905	.904	.905	.903	.915	.919	.923	.922	.924	.922	.923	.921	.916	.910	.910	.911	.914	.918	.915	.915
Galveston, Tex.	.99014	.008	.008	.008	.009	.019	.033	.036	.037	.039	.039	.038	.027	.017	.017	.005	.006	.007	.007	.002	.012	.016	.018	.018	
Grand Haven, Mich.	.99309	.309	.307	.310	.320	.327	.337	.346	.348	.345	.347	.345	.338	.330	.320	.311	.299	.292	.287	.284	.289	.297	.299	.304	.317
Havre, Mont.	.97352	.355	.358	.357	.360	.364	.371	.376	.380	.380	.375	.373	.369	.361	.358	.346	.337	.328	.320	.324	.329	.344	.354	.354	.354
Helena, Mont.	.99585	.889	.893	.892	.897	.903	.908	.911	.910	.906	.902	.895	.886	.873	.861	.853	.844	.840	.841	.847	.859	.877	.885	.881	.881
Huron, S. Dak.	.98584	.584	.582	.582	.580	.584	.602	.609	.618	.610	.604	.599	.592	.589	.570	.564	.556	.547	.540	.543	.549	.561	.578	.583	.580
Independence, Cal.	.99278	.985	.991	.994	.998	.002	.007	.014	.028	.038	.038	.037	.027	.013	.008	.002	.005	.006	.007	.008	.009	.010	.014	.014	.014
Indianapolis, Ind.	.99219	.219	.221	.227	.236	.239	.250	.253	.247	.245	.238	.239	.217	.205	.197	.193	.189	.195	.198	.210	.219	.221	.221	.221	
Jacksonville, Fla.	.98027	.020	.015	.015	.024	.031	.041	.047	.049	.046	.040	.029	.016	.009	.009	.009	.009	.009	.013	.025	.034	.038	.040	.040	
Kansas City, Mo.	.99008	.006	.004	.005	.012	.019	.032	.039	.045	.045	.044	.040	.034	.029	.013	.004	.005	.006	.007	.007	.007	.012	.013	.013	
Key West, Fla.	.99036	.064	.075	.073	.074	.081	.084	.104	.109	.110	.111	.108	.098	.087	.072	.058	.055	.059	.073	.088	.096	.103	.104	.088	
Knoxville, Tenn.	.99223	.020	.015	.017	.028	.041	.055	.058	.056	.053	.049	.041	.027	.017	.015	.004	.005	.001	.002	.009	.019	.024	.026	.024	
Little Rock, Ark.	.99491	.681	.671	.674	.679	.691	.706	.718	.727	.725	.725	.723	.709	.696	.685	.673	.665	.657	.659	.666	.678	.692	.697	.697	.697
Louisville, Ky.	.99463	.458	.457	.457	.465	.476	.486	.493	.491	.493	.488	.477	.470	.460	.450	.443	.438	.439	.440	.448	.460	.465	.468	.466	
Lynchburg, Va.	.99293	.297	.292	.300	.308	.318	.320	.319	.316	.312	.309	.295	.273	.259	.254	.253	.250	.248	.250	.252	.259	.260	.260	.261	.261
Marquette, Mich.	.99185	.180	.178	.181	.188	.190	.197	.200	.201	.197	.197	.196	.195	.186	.182	.181	.181	.181	.181	.182	.183	.187	.187	.187	.187
Memphis, Tenn.	.99065	.599	.598	.594	.600	.609	.621	.638	.641	.644	.646	.643	.635	.623	.608	.596	.586	.585	.585	.605	.606	.607	.608	.611	
Milwaukee, Wis.	.99269	.290	.291	.293	.300	.313	.321	.325	.326	.322	.318	.309	.300	.290	.280	.278	.268	.264	.265	.273	.284	.285	.285	.285	
Moorhead, Minn.	.99449	.951	.952	.953	.962	.967	.980	.981	.982	.975	.973	.968	.964	.959	.953	.945	.945	.945	.945	.949	.957	.959	.965	.965	
Nantucket, Mass.	.99455	.948	.949	.949	.955	.964	.970	.975	.973	.968	.964	.959	.953	.945	.940	.940	.940	.940	.941	.945	.949	.957	.958	.956	
Nashville, Tenn.	.99451	.447	.444	.446	.452	.468	.472	.478	.487	.488	.488	.486	.476	.471	.459	.445	.437	.426	.426	.432	.440	.452	.455	.456	.456
New Haven, Conn.	.99389	.888	.888	.888	.845	.864	.860	.851	.858	.855	.852	.841	.832	.823	.813	.808	.807	.812	.817	.824	.825	.827	.828	.833	
New Orleans, La.	.99006	.999	.002	.012	.021	.081	.084	.087	.081	.041	.039	.036	.024	.013	.009	.009	.009	.009	.007	.012	.009	.009	.010	.010	
New York, N. Y.	.99696	.631	.628	.630	.635	.641	.653	.654	.652	.649	.643	.634	.626	.619	.614	.611	.613	.618	.624	.633	.640	.640	.634	.634	
Norfolk, Va.	.99391	.923	.925	.924	.944	.944	.953	.958	.961	.960	.956	.951	.942	.931	.915	.917	.917	.925	.931	.938	.941	.948	.949	.946	
Omaha, Neb.	.99393	.831	.831	.833	.844	.852	.857	.860	.862	.864	.864	.857	.849	.838	.828	.815	.804	.807	.811	.812	.821	.826	.831	.831	
Parkersburg, W. Va.	.99351	.849	.847	.846	.852	.859	.860	.869	.870	.870	.875	.867	.853	.838	.828	.813	.807	.812	.817	.824	.825	.827	.833	.833	
Philadelphia, Pa.	.99363	.849	.848	.851	.856	.868	.870	.877	.874	.872	.868	.865	.851	.843	.830	.823	.817	.822	.829	.839	.849	.856	.860	.851	
Pittsburg, Pa.	.99139	.128	.12																						

TABLE VI.—Average wind movement for each hour of seventy-fifth meridian time, July, 1895.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Arlene, Tex.	5.7	6.3	6.3	4.0	4.2	4.5	4.6	5.3	6.7	7.4	8.0	8.2	8.4	7.5	7.6	8.1	8.2	7.0	5.7	5.8	6.9	6.0	5.7	7.7	
Albany, N. Y.	5.8	5.0	4.6	4.2	4.5	4.6	5.3	6.3	7.2	7.5	8.8	10.3	11.4	11.6	11.7	11.0	10.3	9.9	8.6	7.5	6.7	6.3	6.2	6.5	
Alpena, Mich.	5.9	6.0	6.2	6.4	6.8	6.3	6.3	7.2	7.5	8.8	9.8	10.3	11.4	11.6	11.7	11.0	10.3	9.9	8.6	7.5	6.7	6.3	6.6	8.1	
Amarillo, Tex.	14.5	13.9	12.5	12.6	12.4	13.0	13.2	12.9	13.7	14.8	15.9	15.9	16.0	15.8	15.8	15.9	15.7	16.0	17.1	16.9	15.1	14.5	14.7	14.7	
Atlanta, Ga.	7.0	7.1	6.9	6.8	6.5	6.5	6.2	6.8	7.0	7.6	7.5	8.5	8.5	9.1	9.8	10.1	10.3	11.6	8.0	8.0	7.6	7.3	6.7	7.8	
Augusta, Ga.	3.7	3.3	2.8	2.5	2.5	2.3	3.0	3.8	4.5	5.3	6.2	6.3	7.3	7.3	7.7	7.5	7.2	7.4	6.5	5.8	4.0	3.2	3.1	4.8	
Baker City, Oreg.	3.4	3.5	3.4	3.7	4.2	4.8	5.1	5.8	5.8	4.8	3.8	3.3	4.3	4.9	5.6	6.1	7.4	7.7	8.5	9.3	9.3	8.1	5.3	3.9	5.5
Baltimore, Md.	4.1	4.8	4.5	4.2	3.8	3.9	4.6	5.6	6.7	6.9	7.4	8.0	8.4	8.3	9.0	9.8	9.3	8.0	6.9	5.6	4.6	4.4	4.2	6.1	6.1
Bismarck, N. Dak.	8.2	8.5	7.8	6.6	6.2	6.0	6.8	6.5	7.6	8.2	9.2	11.2	11.8	12.9	13.9	14.2	14.4	13.5	12.7	12.3	11.2	10.0	8.8	8.6	9.9
Block Island, R. I.	10.4	9.9	9.7	9.4	9.1	9.2	9.7	10.3	10.1	10.0	10.3	11.0	11.7	11.6	11.6	11.6	11.6	10.0	9.1	9.5	9.8	10.2	10.2	10.2	10.2
Boston, Mass.	8.5	8.4	8.5	8.4	7.8	7.4	7.9	7.9	8.6	9.3	10.0	11.3	10.7	11.1	11.7	11.6	10.8	10.0	9.4	9.2	9.1	9.0	9.1	9.4	
Buffalo, N. Y.	7.4	6.5	6.5	6.6	6.3	6.8	6.8	7.9	8.4	9.0	10.2	10.5	11.9	12.0	12.1	12.1	10.7	9.8	8.8	7.4	6.9	6.9	7.4	8.7	
Cairo, Ill.	4.8	4.9	5.0	5.4	5.0	5.0	5.4	6.2	5.9	6.3	6.5	7.2	7.9	8.3	8.0	7.8	6.5	5.4	5.4	4.8	5.2	4.8	4.8	6.1	
Cape Henry, Va.	10.6	10.4	10.4	10.2	10.2	11.4	12.8	12.7	11.9	11.1	11.8	12.4	13.1	11.5	10.4	10.4	10.0	10.1	9.3	8.6	9.1	9.0	9.9	10.6	
Charleston, S. C.	6.6	5.8	5.4	5.0	5.0	4.8	5.4	6.7	7.5	8.0	8.6	9.5	10.9	10.5	10.7	11.2	10.2	9.4	8.2	7.8	7.5	7.1	6.5	7.7	
Charlotte, N. C.	5.1	5.1	5.1	4.9	4.7	4.6	4.7	5.7	6.0	5.8	6.2	6.1	6.5	7.1	7.3	8.2	7.6	6.6	5.5	4.8	5.0	5.0	5.7	5.7	
Chattanooga, Tenn.	4.7	4.3	5.1	4.5	4.4	4.2	4.3	4.1	4.4	4.4	5.6	5.9	6.7	7.4	8.3	8.0	7.7	6.8	6.5	5.4	4.4	3.9	5.6	5.6	
Cheyenne, Wyo.	8.1	8.6	8.5	8.4	7.5	7.4	7.3	7.4	7.9	9.7	10.6	10.6	10.4	11.1	11.0	11.3	11.6	12.0	11.0	10.3	9.8	8.4	7.5	9.4	
Chicago, Ill.	13.2	14.1	15.5	15.2	15.2	14.6	14.4	13.3	13.3	12.6	13.6	13.8	15.2	14.7	15.4	15.5	15.9	15.1	14.5	13.1	13.1	13.0	13.3	14.3	
Cincinnati, Ohio	4.6	4.7	4.2	4.1	4.0	4.1	4.9	5.5	6.2	6.7	8.2	7.8	8.0	8.7	8.6	8.8	9.3	8.6	7.9	6.4	5.2	4.9	4.2	3.9	
Cleveland, Ohio	9.8	9.2	9.2	9.5	9.7	9.3	9.5	10.0	9.6	11.0	12.5	12.6	13.2	12.8	11.7	11.7	11.6	9.7	8.3	8.4	8.6	9.5	9.8	10.2	
Columbia, Mo.	4.1	4.1	4.2	3.8	3.9	3.9	4.2	4.5	5.2	6.1	5.7	6.8	6.7	7.2	6.8	6.8	6.1	4.8	3.8	4.5	4.0	3.8	3.8	3.8	
Columbus, Ohio	3.9	4.2	3.9	3.8	4.1	3.8	3.5	4.5	5.0	5.5	5.6	6.4	7.2	7.9	7.5	7.3	7.0	6.6	5.6	4.8	4.9	4.7	4.4	5.5	
Concordia, Kans.	5.2	4.7	5.0	5.0	4.8	3.6	4.0	3.8	4.7	5.6	6.3	7.4	7.5	8.0	8.3	8.7	8.5	8.3	7.8	6.4	5.4	5.6	5.5	6.4	
Corpus Christi, Tex.	13.6	11.7	9.9	9.4	9.0	8.4	8.1	8.5	10.6	13.9	14.3	15.0	16.6	17.4	18.6	19.7	20.1	21.2	20.6	19.7	18.5	17.0	14.8	14.8	
Davenport, Iowa	6.2	5.8	5.7	5.5	5.8	6.0	5.9	5.5	5.9	7.7	8.7	9.5	9.1	9.0	9.0	10.0	10.1	9.9	8.7	7.5	6.9	5.2	5.4	6.1	
Denver, Colo.	5.7	5.6	6.1	6.1	5.9	5.6	5.4	5.3	5.5	5.6	6.1	6.4	6.4	6.9	7.3	7.6	7.6	7.5	7.6	7.6	6.8	6.0	6.4	6.4	
Des Moines, Iowa	4.8	5.0	4.8	4.9	4.5	4.5	4.4	5.2	6.7	7.5	8.0	8.4	9.2	9.7	9.1	8.6	8.3	7.8	7.1	5.7	4.8	5.5	5.0	6.6	
Detroit, Mich.	6.7	7.2	7.0	6.6	6.7	6.9	6.5	6.8	8.1	8.6	9.0	9.6	10.7	10.9	11.0	11.2	10.7	10.6	9.5	7.7	6.5	6.5	6.5	8.3	
Dodge City, Kans.	9.4	9.4	9.8	9.1	8.1	7.8	7.0	8.8	10.4	11.3	12.5	13.0	13.0	13.3	13.2	13.1	12.0	11.5	9.4	8.0	9.9	9.0	10.0	10.4	
Duluth, Minn.	7.7	8.2	7.6	7.3	6.9	6.8	6.1	7.4	7.9	9.0	10.1	10.6	10.5	10.3	10.2	10.7	10.4	9.9	8.1	7.2	6.9	7.9	8.8	8.1	
Eastport, Me.	6.6	6.4	6.2	6.0	5.6	5.1	5.1	5.8	6.1	6.6	7.2	7.6	8.0	8.9	9.2	8.5	7.2	6.3	5.9	5.9	6.3	6.5	6.5	8.5	
El Paso, Tex.	10.0	10.9	10.3	11.0	10.1	9.9	9.6	9.7	9.1	9.8	9.2	8.6	8.8	7.9	7.3	7.8	8.8	8.6	10.1	10.6	10.2	9.2	9.6	9.4	
Erie Pa.	7.8	8.0	7.9	8.1	8.4	8.4	8.5	8.6	9.0	9.2	9.5	10.3	10.2	9.8	9.7	9.1	8.5	7.2	6.6	6.8	7.2	7.6	7.9	8.4	
Eureka, Cal.	5.3	4.9	4.7	3.9	3.5	4.0	3.7	3.7	3.6	3.6	3.9	4.6	5.8	6.0	8.6	9.4	10.3	10.4	10.7	10.0	9.5	8.7	6.9	6.4	
Fort Canby, Wash.	8.5	8.2	7.8	7.7	7.5	7.6	8.4	8.5	8.1	7.9	8.1	8.2	8.1	8.5	9.1	9.8	10.4	11.1	10.7	10.7	11.0	9.9	9.1	8.9	
Fort Smith, Ark.	5.0	4.5	4.3	4.5	4.3	4.2	4.4	5.0	5.4	5.4	5.6	6.1	6.4	6.4	6.6	6.4	6.6	6.4	5.3	5.3	4.8	4.8	4.9	4.9	
Fresno, Cal.	11.0	10.8	10.1	8.9	7.5	7.3	6.5	5.9	5.5	5.4	5.2	5.1	5.5	5.5	5.5	5.5	5.5	6.1	6.5	6.5	6.5	6.5	6.5	6.5	
Galveston, Tex.	9.6	9.7	9.5	9.1	8.7	8.3	7.5	7.8	8.9	9.5	10.4	10.1	10.8	11.5	12.0	12.2	12.4	12.1	11.7	10.6	9.7	9.5	9.4	10.1	
Grand Haven, Mich.	6.1	6.2	6.1	6.2	6.4	6.7	6.9	8.2	9.3	9.4	9.7	10.1	11.4	11.3	11.7	11.2	10.1	9.0	7.2	5.9	5.9	6.9	6.0	8.1	
Green Bay, Wis.	5.0	5.1	5.1	5.1	5.5	5.5	5.0	5.6	6.7	7.7	7.9	8.5	9.1	9.2	8.6	8.1	7.6	7.0	6.6	5.6	5.6	4.8	4.8	6.9	
Hannibal, Mo.	6.5	6.2	6.1	5.8	5.1	5.0	5.4	6.9	6.9	8.0	9.0	8.8	8.9	9.4	9.4	10.2	10.2	9.2	8.7	8.6	8.6	8.6	8.6	7.2	
Harrisburg, Pa.	4.4	4.3	4.4	4.0	3.9	3.6	4.1	4.8	5.2	5.9	6.5	6.6	7.7	7.7	8.1	8.5	8.8	8.9	8.2	7.8	7.5	7.5	7.5	5.8	
Hatteras, N. C.	11.5	11.6	12.8	12.4	12.8	12.2	11.8	11.9	12.1	13.0	12.2	12.5	12.9	13.0	13.5	13.2	13.2	13.0	12.5	11.8	11.2	10.9	12.1	12.8	
Havre, Mont.	6.1	6.1	5.4	5.3	5.4	5.7	6.2	5.5	5.9	7.4	8.9	9.1	9.3	10.1	9.6	9.3	9.1	7.5	6.9	6.9	6.8	5.1	5.1	7.4	
Helena, Mont.	8.7	9.3	9.2	8.9	8.1	6.9	7.0	6.9	4.5	4.1	4.9	6.1	7.1	7.3	8.4	10.0	11.1	10.7	10.8	10.2	9.4	8.1	8.1		
Huron, S. Dak.	11.1	10.6	9.5	10.2	10.1	8.7	8.4	9.4	10.9	13.5	14.9	16.1	16.1	16.4	17.5	17.4	17.8	18.4	18.2	15.9	13.9	12.3	11.4	10.7	
Idaho Falls, Idaho.	8.5	6.7	6.2	5.9	5.7	5.9	6.0	5.4	5.8	5.7	7.0	8.0	8.5	9.1	10.9	11.4	12.7	13.8	14.0	13.4	11.0	9.6	9.5	8.9	
Independence, Cal.	8.4	7.4	6.6	6.4	6.0	5.6	5.7	6.2	6.0	6.1	7.1	7.7	8.0	7.7	7.7	8.1	9.7	11.2	11.5	10.7	10.7	10.2	9.5	9.1	
Indianapolis, Ind.	3.2	3.4	3.1	2.8	3.5	3.8	3.2	4.3	4.8	5.6	6.3	6.8	7.1	7.1	7.1	7.1	6.6	6.3	5.8						

TABLE VI.—Average wind movement, etc.—Continued.

Stations.	Wind movement, etc.												Wind movement, etc.												Mean.	
	1 a.m.	2 a.m.	3 a.m.	4 a.m.	5 a.m.	6 a.m.	7 a.m.	8 a.m.	9 a.m.	10 a.m.	11 a.m.	Noon.	1 p.m.	2 p.m.	3 p.m.	4 p.m.	5 p.m.	6 p.m.	7 p.m.	8 p.m.	9 p.m.	10 p.m.	11 p.m.	Midnight.		
Parkersburg, W. Va.	3.4	2.3	2.4	2.4	2.4	2.4	2.1	2.8	3.7	3.6	4.1	4.5	5.2	5.9	6.2	6.5	6.9	5.6	4.5	4.1	3.8	2.7	2.7	2.5	3.8	
Pensacola, Fla.	6.8	6.8	6.7	5.8	5.8	5.2	4.6	5.4	6.6	7.1	8.0	8.7	9.9	11.9	12.4	14.3	12.9	12.0	10.5	9.2	7.2	7.2	6.6	6.3	8.3	
Philadelphia, Pa.	7.6	7.4	7.7	8.3	8.0	7.7	7.4	8.6	9.0	9.3	9.4	9.9	10.4	11.2	11.1	11.0	10.0	9.0	8.5	8.4	8.4	8.8	8.2	9.0	9.0	
Pierre, S. Dak.	10.0	9.4	7.2	7.5	8.1	7.0	7.1	6.4	7.3	8.9	10.2	11.0	13.1	13.4	13.5	14.0	13.6	13.8	12.9	13.9	13.9	12.1	11.1	10.8	10.8	
Pittsburg, Pa.	4.1	8.7	3.3	3.3	3.3	3.4	3.6	4.1	5.2	5.7	6.4	6.7	6.6	7.4	7.6	7.9	7.6	6.9	6.4	5.7	6.0	5.6	5.0	4.4	5.4	
Port Angeles, Wash.	6.0	5.8	5.6	5.5	5.8	4.9	4.9	5.1	4.8	4.0	5.1	6.1	6.9	6.7	7.8	7.9	8.6	9.3	10.2	10.5	10.3	8.6	6.7	6.5	6.8	
Port Huron, Mich.	8.0	7.8	7.9	7.5	7.4	7.6	7.5	7.6	9.0	9.6	10.3	10.8	11.5	11.8	11.6	12.0	12.0	11.4	9.5	8.3	7.4	7.6	7.5	6.9	9.1	
Portland, Me.	4.5	4.8	4.6	4.7	4.5	4.7	5.2	5.9	6.4	7.5	9.1	9.8	10.2	10.2	10.7	10.0	9.5	8.2	7.1	6.4	5.7	5.8	5.5	4.6	6.9	
Portland, Oreg.	9.8	9.1	8.5	8.6	8.6	7.5	6.9	6.5	6.3	6.9	7.4	8.0	8.0	8.3	9.0	9.0	9.4	9.6	9.8	10.6	10.8	10.8	10.5	9.9	8.7	
Pueblo, Colo.	6.5	5.8	5.7	4.9	4.1	4.0	3.7	4.0	3.6	4.8	6.3	6.4	6.8	8.0	8.6	8.9	9.5	10.3	9.5	7.8	7.5	7.7	7.1	6.6	6.6	
Raleigh, N. C.	4.4	3.9	3.6	3.9	3.7	3.7	3.9	4.6	5.5	5.7	5.6	5.5	5.5	5.4	5.4	5.8	5.5	5.4	4.4	3.4	3.1	3.8	4.8	3.6	3.6	4.5
Rapid City, S. Dak.	8.5	8.4	9.2	8.4	7.9	8.0	7.0	7.8	9.5	11.8	12.6	13.2	14.0	14.1	13.5	12.5	11.9	12.2	11.8	10.5	9.3	8.7	8.3	10.2	8.3	
Red Bluff, Cal.	6.8	6.8	6.5	5.7	5.1	4.5	4.8	3.7	4.4	5.3	5.1	5.2	5.3	5.8	6.0	6.3	6.5	6.9	7.2	7.1	6.9	7.5	6.9	5.9	5.9	5.9
Rochester, N. Y.	4.7	4.9	5.1	5.2	5.0	5.0	5.5	6.3	6.8	7.7	8.6	8.8	9.6	9.3	9.8	8.8	8.8	7.5	6.0	4.5	4.5	4.9	4.8	6.5	6.5	6.5
Roseburg, Oreg.	3.6	2.7	2.1	1.9	2.2	2.1	2.1	1.9	1.8	2.2	3.1	3.8	4.4	4.8	5.6	6.2	7.5	8.4	9.1	9.9	9.2	7.2	5.1	4.9	4.9	
Sacramento, Cal.	9.9	10.5	10.5	10.8	10.7	10.2	9.6	9.8	8.6	8.6	7.8	7.9	8.1	8.8	9.7	10.8	11.2	11.7	12.1	12.1	11.5	11.0	10.6	10.0	10.0	
St. Louis, Mo.	7.7	7.7	8.2	7.0	6.6	6.6	7.1	7.7	8.4	9.0	9.6	10.1	10.6	11.3	11.4	11.0	10.8	10.8	9.5	9.4	9.0	8.5	7.9	7.4	8.9	
St. Paul, Minn.	3.6	3.8	4.2	4.1	4.2	4.1	4.5	5.1	5.3	6.0	7.2	7.9	8.0	9.0	9.8	9.0	9.0	8.8	8.8	7.0	5.3	4.5	4.3	3.8	6.3	
St. Vincent, Minn.	5.4	5.5	5.3	5.2	5.4	5.5	5.4	5.6	6.4	7.2	7.5	8.1	7.9	8.5	8.5	7.6	6.9	6.0	5.3	5.4	5.4	6.5	6.5	6.5	6.0	
Salt Lake City, Utah.	5.1	4.3	4.2	4.2	4.5	4.5	4.1	4.5	4.2	4.3	4.1	5.3	6.4	7.4	8.8	9.0	9.4	9.8	8.4	6.9	6.5	6.5	6.2	6.0	6.0	
San Antonio, Tex.	10.1	8.5	7.6	6.4	6.0	5.3	4.6	4.4	6.8	9.2	9.2	9.2	9.3	9.4	9.8	9.7	9.9	10.8	11.3	13.5	14.6	14.7	13.9	12.3	9.4	
San Diego, Cal.	3.4	2.7	3.0	3.1	3.0	2.8	2.8	3.7	3.8	3.1	4.1	5.4	7.7	9.2	9.9	10.8	10.6	10.2	9.7	8.9	9.1	6.6	5.1	4.8	5.8	
Sandusky, Ohio.	6.6	6.8	6.2	6.9	6.6	6.7	7.2	6.7	7.0	7.5	7.5	8.1	8.4	8.4	8.1	8.2	8.2	8.6	8.6	7.7	7.0	7.1	7.3	7.1	7.1	
San Francisco, Cal.	14.5	13.8	13.6	11.2	11.2	10.1	9.9	9.9	9.5	9.5	10.2	10.5	11.9	14.1	17.1	20.5	23.7	24.1	24.7	23.2	21.6	18.8	16.3	15.5	15.5	
San Luis Obispo, Cal.	2.7	2.8	2.7	2.5	2.8	3.0	2.6	3.0	2.6	2.9	3.5	3.9	4.6	5.8	7.0	8.0	8.2	8.1	7.6	6.7	5.5	4.1	3.5	4.7	4.7	
Santa Fe, N. Mex.	4.5	4.0	4.6	4.0	4.2	4.3	4.4	4.8	3.7	4.3	4.9	5.9	6.6	7.3	8.1	8.8	8.7	8.8	9.0	9.4	9.8	7.6	5.2	4.6	6.8	
Sault Ste Marie, Mich.	4.7	5.1	4.8	4.6	4.7	4.6	4.9	5.8	6.3	7.8	9.1	10.2	10.6	12.1	13.0	12.5	11.9	12.9	12.8	12.8	12.8	12.8	12.8	12.8	12.8	
Savannah, Ga.	5.9	5.2	4.9	4.8	5.0	5.0	5.2	5.8	6.1	6.3	6.3	6.8	7.8	8.4	8.4	8.7	10.3	9.1	8.9	8.0	7.0	6.4	6.1	6.0	6.7	
Seattle, Wash.	3.6	2.9	2.9	3.3	2.6	3.1	3.4	3.1	3.8	3.6	3.6	4.2	4.7	5.3	6.1	6.5	6.5	7.0	6.7	6.8	6.7	5.7	5.6	5.8	4.4	
Shreveport, La.	4.8	4.9	3.9	3.6	4.0	4.0	3.8	4.2	5.6	6.8	6.2	6.2	6.6	6.6	6.6	6.6	6.6	5.9	5.9	5.9	5.2	5.0	5.0	5.0	5.3	
Sioux City, Iowa.	7.2	7.5	7.0	7.5	7.1	7.1	6.8	7.1	7.5	8.4	10.2	11.3	11.5	11.5	11.8	11.6	11.6	11.7	11.4	9.8	7.9	8.4	8.7	8.0	9.1	
Spokane, Wash.	4.9	5.0	4.4	4.2	4.2	4.0	4.3	4.3	5.4	5.9	6.5	7.1	7.4	7.4	7.7	8.3	9.1	8.5	8.8	8.1	7.7	5.7	4.6	6.4	6.4	
Springfield, Ill.	6.5	6.2	5.9	6.6	6.1	6.0	6.6	7.0	7.7	8.2	8.9	9.6	9.8	9.2	9.3	8.9	8.7	8.8	8.3	8.3	8.3	8.4	8.4	8.4	7.4	
Springfield, Mo.	7.5	7.0	6.8	6.8	6.5	6.4	6.7	7.4	8.4	9.4	9.0	8.8	8.4	10.0	10.6	10.3	9.5	8.8	8.8	8.2	7.6	7.0	7.3	8.1	8.1	
Tampa, Fla.	3.8	3.7	3.8	3.6	3.7	3.6	3.7	4.4	5.5	6.2	7.1	7.6	7.4	7.6	7.6	8.6	7.9	7.8	7.0	5.3	4.6	3.6	3.8	3.4	5.4	
Tatooish Island, Wash.	8.0	7.9	7.8	8.0	7.8	7.9	7.7	8.2	8.0	7.6	7.8	7.9	7.9	8.1	8.1	8.4	8.5	8.8	8.3	8.7	8.2	8.4	8.1	8.1	8.1	
Titusville, Fla.	7.4	6.9	6.1	5.8	5.8	5.5	6.4	7.1	8.8	9.5	10.2	10.6	11.3	12.7	12.8	13.0	13.6	12.5	12.2	11.1	10.8	9.6	8.7	6.9	9.2	
Toledo, Ohio.	6.5	7.2	6.8	5.8	6.1	6.0	6.3	6.5	7.6	8.3	9.1	10.0	9.9	10.2	10.4	11.0	11.0	10.6	9.1	8.1	7.0	6.6	6.6	6.6	8.1	
Tucson, Ariz.	5.6	5.4	5.5	5.6	5.2	5.6	5.8	6.3	6.6	6.7	6.5	6.6	7.0	7.5	7.6	7.5	7.8	7.8	7.5	7.2	6.5	5.3	5.3	6.0	6.0	
Vicksburg, Miss.	5.6	5.4	5.5	5.2	5.2	5.6	5.8	6.3	6.6	6.6	6.7	6.5	6.6	6.6	6.6	7.0	7.5	7.5	7.8	7.8	7.2	6.6	6.5	6.2	7.6	
Vineyard Haven, Mass.	5.5	5.8	5.7	5.1	4.9	5.2	6.0	6.9	7.0	7.4	7.4	8.5	8.8	8.9	8.8	8.8	8.5	8.2	7.1	6.2	6.0	5.8	5.7	5.7	6.7	
Walla Walla, Wash.	6.6	6.1	5.4	5.8	5.6	5.2	5.1	5.2	4.7	5.1	6.1	6.4	6.5	6.6	7.0	7.1	7.8	8.3	8.4	7.9	8.8	6.5	5.8	6.3	6.3	
Washington, D. C.	2.9	2.9	3.1	3.3	3.8	3.0	3.2	4.9	5.9	6.2	6.8	7.4	7.8	7.5	7.2	6.5	6.3	4.7	4.1	3.4	2.9	3.0	3.0	4.9	4.9	
Wichita, Kans.	5.8	5.8	6.0	6.4	6.7	6.5	6.8	6.2	6.9	7.8	8.4	8.5	8.2	8.1	8.7	9.0	8.9	8.4	7.7	6.8	6.6	5.8	5.7	7.1	7.1	
Williston, N. Dak.	7.5	7.3	5.8	6.2	6.5	6.1	5.7	6.0	7.4	8.0	10.5	11.5	12.0	12.8	12.5	12.2	12.4	11.4	9.5	8.3	8.3	7.8	9.0	9.0	9.0	
Wilmington, N. C.	6.2	6.2	5.7	5.9	5.4	5.4	6.0	7.0	7.7	8.3	8.5	8.6	9.7	10.5	10.7	10.6	9.9	9.2	7.8	7.2	6.6	6.4	6.2	6.2	7.6	
Winnebucca, Nev.	8.0	9.9	9.5	9.0	8.7	8.4	8.4	7.9	7.2	7.0	8.3	8.9	9.5	9.4	10.4	11.5	11.8	12.0	11.7	11.0	9.1	7.4	7.4	9.3	9.3	
Woods Hole, Mass.	10.9	11.7	11.2	9.9	10.2	10.																				

TABLE VIII.—Temperature of the wet-bulb thermometer, July, 1895.

Stations.	Local time faster or slower than 75th meridian time.	8 A. M.			8 P. M.			Stations.	Local time faster or slower than 75th meridian time.	8 A. M.			8 P. M.		
		Max.	Min.	Mean.	Max.	Min.	Mean.			Max.	Min.	Mean.	Max.	Min.	Mean.
<i>New England.</i>															
Eastport, Me.	h. m.	o	o	o	o	o	o	Up, Lake Region—Con.	h. m.	o	o	o	o	o	o
Portland, Me.	92 F.	60	51	55	61	50	55	Milwaukee, Wis.	51 S.	66	48	59	70	51	62
Northfield, Vt.	19 F.	70	54	61	70	56	61	Green Bay, Wis.	52 S.	68	47	57	71	54	61
Boston, Mass.	9 F.	69	48	54	72	49	53	Duluth, Minn.	1 08 S.	67	47	56	70	49	53
Nantucket, Mass.	16 F.	72	52	52	73	54	53	North Dakota.							
Woods Hole, Mass.	20 F.	69	53	63	69	56	63	Moorhead, Minn.	1 27 S.	70	46	57	78	52	63
Block Island, R. I.	17 F.	70	54	63	72	57	64	St. Vincent, Minn.	1 29 S.	66	48	56	75	51	63
New Haven, Conn.	14 F.	70	52	52	74	54	64	Bismarck, N. Dak.	1 42 S.	68	48	56	75	46	62
New London, Conn.	8 F.	71	56	62	74	56	65	Williston, N. Dak.	1 54 S.	66	46	55	69	50	61
<i>Middle Atlantic States.</i>	12 F.	70	56	64	74	56	65	Upper Mississippi Valley.							
Albany, N. Y.	5 F.	72	54	62	74	58	63	St. Paul, Minn.	1 13 S.	70	48	59	73	50	63
New York, N. Y.	4 F.	73	53	63	75	57	64	La Crosse, Wis.	1 05 S.	70	50	59	77	54	66
Harrisburg, Pa.	7 S.	72	52	63	76	54	65	Davenport, Iowa.	1 02 S.	72	48	62	76	55	67
Philadelphia, Pa.	0	72	51	63	75	55	65	Des Moines, Iowa.	1 14 S.	70	49	62	75	54	67
Baltimore, Md.	6 S.	73	53	64	75	55	65	Keokuk, Iowa.	1 06 S.	71	52	63	78	55	61
Washington, D. C.	8 S.	73	54	65	76	56	67	Cairo, Ill.	56 S.	74	56	69	79	55	67
Lynchburg, Va.	16 F.	73	56	66	76	58	68	Springfield, Ill.	58 S.	71	52	64	76	55	67
Norfolk, Va.	5 S.	76	60	69	76	61	69	Hannibal, Mo.	1 05 S.	75	55	57	80	57	69
<i>South Atlantic States.</i>								St. Louis, Mo.	1 01 S.	77	54	66	80	58	69
Charlotte, N. C.	23 S.	74	60	68	74	68	69	<i>Missouri Valley.</i>							
Hatteras, N. C.	2 S.	79	65	73	78	60	72	Columbia, Mo.	1 09 S.				78	59	70
Kittyhawk, N. C.	3 S.	78	64	71	79	63	72	Kansas City, Mo.	1 18 S.	75	55	66	78	56	69
Raleigh, N. C.	14 S.	74	60	69	75	63	70	Springfield, Mo.	1 18 S.	75	55	67	78	54	67
Wilmington, N. C.	12 S.	73	61	72	75	64	72	Omaha, Nebr.	1 24 S.	70	50	63	78	54	65
Charleston, S. C.	20 S.	78	65	74	80	65	74	Sioux City, Iowa.	1 28 S.	71	47	57	77	53	65
Augusta, Ga.	27 S.	75	65	72	78	67	72	Pierre, S. Dak.	1 41 S.	69	50	59	74	56	64
Savannah, Ga.	24 S.	78	65	74	78	65	74	Huron, S. Dak.	1 32 S.	67	46	58	73	52	62
Jacksonville, Fla.	26 S.	77	70	74	78	69	74	<i>Northern Slope.</i>							
<i>Florida Peninsula.</i>								Havre, Mont.	2 19 S.	60	40	53	70	50	61
Jupiter, Fla.	20 S.	78	71	76	78	68	75	Miles City, Mont.	2 03 S.	64	43	55	62	45	54
Key West, Fla.	27 S.	73	72	73	78	73	76	Helena, Mont.	2 28 S.	55	39	48	63	41	57
Tampa, Fla.	30 S.	77	73	76	78	70	75	Rapid City, S. Dak.	1 53 S.	62	46	53	66	41	55
Titusville, Fla.	23 S.	78	72	72	78	70	75	Cheyenne, Wyo.	1 59 S.	54	41	49	68	47	55
<i>Eastern Gulf States.</i>								Lander, Wyo.	2 15 S.	55	40	47	63	41	55
Atlanta, Ga.	37 S.	72	68	69	76	67	71	North Platte, Nebr.	1 43 S.	68	48	50	76	51	66
Pensacola, Fla.	49 S.	78	69	75	78	69	72	<i>Middle Slope.</i>							
Mobile, Ala.	52 S.	78	69	75	78	69	72	Denver, Colo.	2 00 S.	59	42	52	68	46	58
Montgomery, Ala.	45 S.	76	67	73	77	69	74	Pueblo, Colo.	1 58 S.	62	47	54	65	52	60
Meridian, Miss.	55 S.	76	67	73	77	68	74	Concordia, Kans.	1 31 S.	73	50	64	75	57	68
Vicksburg, Miss.	1 03 S.	76	68	73	79	71	74	Dodge City, Kans.	1 40 S.	73	49	64	76	56	68
New Orleans, La.	1 00 S.	71	72	75	73	71	74	Wichita, Kans.	1 29 S.	73	56	67	80	58	71
<i>Western Gulf States.</i>								Oklahoma, Okla.	1 30 S.	74	60	70	82	54	64
Shreveport, La.	1 14 S.	76	69	74	81	71	76	<i>Southern Slope.</i>							
Fort Smith, Ark.	1 17 S.	80	68	74	82	65	75	Abilene, Tex.	1 39 S.	72	61	67	75	65	71
Little Rock, Ark.	1 08 S.	78	72	73	78	67	75	Amarillo, Tex.	1 47 S.	68	54	63	72	57	66
Corpus Christi, Tex.	20 S.	79	76	78	79	77	76	<i>Southern Plateau.</i>							
Galveston, Tex.	1 19 S.	79	75	77	78	74	76	El Paso, Tex.	2 06 S.	66	52	61	68	60	66
Palestine, Tex.	1 23 S.	75	69	74	73	70	76	Santa Fe, N. Mex.	2 04 S.	57	44	51	62	46	54
San Antonio, Tex.	1 34 S.	75	72	73	77	70	73	Phoenix, Ariz.	2 28 S.						
<i>Ohio Valley and Tenn.</i>								Yuma, Ariz.	2 28 S.	74	57	66	78	63	71
Chattanooga, Tenn.	41 S.	74	64	69	76	63	71	Independence, Cal.	2 53 S.	55	43	50	61	58	68
Knoxville, Tenn.	36 S.	72	63	68	77	67	71	<i>Middle Plateau.</i>							
Memphis, Tenn.	49 S.	79	62	68	71	60	69	Carson City, Nev.	2 59 S.	51	40	51	60	51	55
Nashville, Tenn.	1 00 S.	79	62	68	71	60	69	Winnemucca, Nev.	2 51 S.	51	36	48	58	54	59
Lexington, Ky.	47 S.	75	56	68	72	62	66	Salt Lake City, Utah.	2 27 S.	62	44	53	65	53	59
Louisville, Ky.	38 S.	73	52	65	72	57	66	<i>Northern Plateau.</i>							
Indianapolis, Ind.	43 S.	74	51	65	76	58	69	Baker City, Oreg.	2 51 S.	53	35	44	58	46	56
Cincinnati, Ohio.	44 S.	73	50	68	75	54	61	Idaho Falls, Idaho.	2 28 S.	63	39	46	56	48	56
Columbus, Ohio.	33 S.	71	50	61	72	54	63	Spokane, Wash.	2 49 S.	57	42	49	54	49	56
Pittsburg, Pa.	20 S.	71	52	61	72	54	63	Walla Walla, Wash.	2 53 S.	61	47	53	71	53	61
Parkersburg, W. Va.	26 S.	73	53	63	77	58	66	<i>N. Pac. Coast Region.</i>							
<i>Lower Lake Region.</i>								Fort Canby, Wash.	3 16 S.	67	49	54	76	53	68
Buffalo, N. Y.	15 S.	70	52	61	71	49	52	Port Angeles, Wash.	3 14 S.	54	44	49	64	54	64
Oswego, N. Y.	6 S.	70	53	60	72	52	52	Seattle, Wash.	3 09 S.	60	48	52	65	52	65
Rochester, N. Y.	11 S.	71	51	60	71	45	50	Tatoosh Island, Wash.	3 18 S.	57	47	51	68	51	64
Erie, Pa.	20 S.	70	51	61	71	52	52	Portland, Oreg.	3 11 S.	60	47	53	68	52	65
Cleveland, Ohio.	27 S.	70	50	60	73	53	53	Roseburg, Oreg.	3 13 S.	56	43	51	66	54	61
Sandusky, Ohio.	30 S.	70	53	61	72	55	53	<i>Mid. Pac. Coast Region.</i>							
Toledo, Ohio.	34 S.	70	50	60	72	54	52	Eureka, Cal.	3 17 S.	57	48	52	58	52	55
Detroit, Mich.	32 S.	69	47	59	72	51	51	Red Bluff, Cal.	3 09 S.	63	49	57	73	56	65
<i>Upper Lake Region.</i>								Sacramento, Cal.	3 06 S.	61	50	55	73	57	66
Alpena, Mich.	34 S.	68	45	55	68	49	48	San Francisco, Cal.	3 10 S.	56	50	53	68	52	66
Grand Haven, Mich.	45 S.	67	43	59	70	49	48	<i>S. Pac. Coast Region.</i>							
Marquette, Mich.	49 S.	67	45	56	72	46	57	Fresno, Cal.	2 59 S.	61	47	54	70	56	68
Port Huron, Mich.	30 S.	67	48	57	74	50	50	Los Angeles, Cal.	2 53 S.	63	53	58	66	57	68
Sault Ste. Marie, Mich.	37 S.	64	44	53	68	47	47	San Diego, Cal.	2 49 S.	63	54	59	68	57	68
Chicago, Ill.	50 S.	69	48	61	71	51	52	San Luis Obispo, Cal.	3 03 S.	56	44	53	66	55	60

TABLE IX.—Resultant winds from observations at 8 a. m. and 8 p. m., daily, during July, 1895.

Stations.	Component direction from—				Resultant.		Stations.	Component direction from—				Resultant.					
	N.	S.	E.	W.	Direction from—	Duration.		N.	S.	E.	W.	Direction from—	Duration.				
	Hours.	Hours.	Hours.	Hours.	°	Hours.		Hours.	Hours.	Hours.	Hours.	°	Hours.				
<i>New England.</i>																	
Eastport, Me.	18	27	11	23	s. 38 w.	18	Milwaukee, Wis.	20	17	21	20	n. 18 e.	3				
Portland, Me.	16	29	8	23	s. 49 w.	20	Green Bay, Wis.	21	19	23	14	n. 76 e.	8				
Northfield, Vt.	24	29	3	18	s. 72 w.	16	Duluth, Minn.	24	9	19	20	n. 2 w.	35				
Boston, Mass.	22	18	6	28	s. 80 w.	22	<i>North Dakota.</i>										
Nantucket, Mass.	20	16	10	29	n. 78 w.	19	Moorhead, Minn.	18	25	13	17	s. 30 w.	8				
Woods Hole, Mass.	4	21	3	8	s. 16 w.	18	St. Vincent, Minn.	23	20	20	14	n. 79 e.	15				
Block Island, R. I.	15	24	10	33	s. 69 w.	10	Bismarck, N. Dak.	23	23	13	14	s. 68 w.	2				
New Haven, Conn.	24	27	6	16	s. 73 w.	10	Williston, N. Dak.	21	27	18	14	s. 76 e.	4				
New London, Conn.	19	23	7	29	s. 82 w.	22	<i>Upper Mississippi Valley.</i>										
<i>Middle Atlantic States.</i>																	
Albany, N. Y.	16	28	10	16	s. 27 w.	13	St. Paul, Minn.	17	20	19	23	s. 53 w.	5				
New York, N. Y.	23	28	12	23	n. 80 w.	11	La Crosse, Wis.	19	27	7	16	s. 48 w.	12				
Harrisburg, Pa.	18	14	9	29	n. 79 w.	20	Davenport, Iowa	15	23	17	21	s. 27 w.	9				
Philadelphia, Pa.	21	17	10	26	n. 76 w.	16	Des Moines, Iowa	18	23	16	16	s. ..	8				
Baltimore, Md.	23	17	7	30	n. 75 w.	21	Keokuk, Iowa	16	23	15	20	s. 23 w.	13				
Washington, D. C.	21	20	6	26	n. 87 w.	20	Cairo, Ill.	21	27	20	14	s. 40 w.	8				
Lynchburg, Va.	15	17	20	25	s. 68 w.	5	Springfield, Ill.	19	23	20	14	s. 56 e.	7				
Norfolk, Va.	19	23	20	14	s. 63 e.	7	Hannibal, Mo.	11	27	20	18	s. 7 e.	16				
<i>South Atlantic States.</i>																	
Charlotte, N. C.	9	28	19	21	s. 6 w.	19	St. Louis, Mo.	23	25	16	13	s. 56 e.	4				
Hatteras, N. C.	15	21	14	25	s. 61 w.	12	<i>Missouri Valley.</i>										
Kittyhawk, N. C.	19	23	16	20	s. 45 w.	8	Columbia, Mo.*	8	12	16	4	s. 72 e.	13				
Raleigh, N. C.	19	23	8	27	s. 78 w.	19	Kansas City, Mo.	18	26	27	10	s. 65 e.	19				
Wilmington, N. C.	11	27	14	24	s. 32 w.	19	Springfield, Mo.	17	29	19	11	s. 36 e.	14				
Charleston, S. C.	6	33	13	29	s. 31 w.	31	Omaha, Nebr.	16	32	24	8	s. 45 e.	23				
Augusta, Ga.	15	26	15	22	s. 39 w.	13	Sioux City, Iowa	17	28	18	18	s. 24 e.	12				
Savannah, Ga.	4	31	8	29	s. 38 w.	34	Pierre, S. Dak.	13	19	22	11	s. 74 e.	22				
Jacksonville, Fla.	5	38	9	26	s. 28 w.	37	Huron, S. Dak.	18	23	23	13	s. 67 e.	13				
<i>Florida Peninsula.</i>																	
Jupiter, Fla.	4	35	15	19	s. 7 w.	31	<i>Northern Slope.</i>										
Key West, Fla.	11	17	36	3	s. 80 e.	34	Havre, Mont.	23	12	12	26	n. 54 w.	17				
Tampa, Fla.	11	18	19	29	s. 55 w.	12	Miles City, Mont.	17	20	19	16	s. 45 e.	4				
Titusville, Fla.	3	35	16	27	s. 19 w.	34	Helena, Mont.	13	24	11	35	s. 65 w.	26				
<i>Eastern Gulf States.</i>																	
Atlanta, Ga.	15	17	13	22	s. 84 w.	19	Rapid City, S. Dak.	17	23	16	19	s. 27 w.	7				
Pensacola, Fla.	12	23	6	35	s. 69 w.	31	Cheyenne, Wyo.	15	25	9	19	s. 48 w.	14				
Mobile, Ala.	20	20	8	27	w.	19	Lander, Wyo.	15	19	12	30	s. 77 w.	18				
Montgomery, Ala.	20	20	20	21	w.	1	North Platte, Nebr.	12	24	23	17	s. 37 e.	18				
Meridian, Miss.	13	31	14	23	s. 27 w.	20	<i>Middle Slope.</i>										
Vicksburg, Miss.	10	29	17	23	s. 18 w.	20	Denver, Colo.	20	26	13	18	s. 40 w.	8				
New Orleans, La.	8	38	6	23	s. 26 w.	30	Pueblo, Colo.	22	15	22	18	n. 30 w.	8				
<i>Western Gulf States.</i>																	
Shreveport, La.	9	23	15	22	s. 16 w.	25	Concordia, Kans.	13	34	17	12	s. 18 e.	29				
Fort Smith, Ark.	8	14	41	8	s. 80 e.	34	Dodge City, Kans.	15	32	24	5	s. 45 e.	27				
Little Rock, Ark.	10	28	22	19	s. 9 e.	18	Wichita, Kans.	17	28	23	6	s. 57 e.	20				
Corpus Christi, Tex.	0	44	43	0	s. 44 e.	62	Oklahoma, Okla.	20	32	13	7	s. 27 e.	13				
Galveston, Tex.	2	48	2	26	s. 25 w.	52	<i>Southern Slope.</i>										
Palestine, Tex.	4	43	15	10	s. 7 e.	39	Abilene, Tex.	9	28	22	7	s. 28 e.	33				
San Antonio, Tex.	2	43	32	1	s. 37 e.	51	Amarillo, Tex.	9	37	15	8	s. 14 e.	29				
<i>Ohio Valley and Tennessee.</i>																	
Chattanooga, Tenn.	16	18	9	29	s. 84 w.	20	El Paso, Tex.	20	10	34	13	n. 65 e.	23				
Knoxville, Tenn.	17	13	20	25	s. 51 w.	6	Santa Fe, N. Mex.	15	24	29	10	s. 65 e.	21				
Memphis, Tenn.	15	22	22	16	s. 41 e.	9	Phoenix, Ariz.	16	22	14	25	s. 61 w.	12				
Nashville, Tenn.	15	20	11	31	s. 76 w.	21	Independence, Cal.	19	22	15	27	s. 76 w.	13				
Lexington, Ky.	13	25	20	22	s. 9 w.	12	<i>Middle Plateau.</i>										
Louisville, Ky.	22	24	14	14	s. ...	2	Carson City, Nev.	12	14	10	38	s. 86 w.	28				
Indianapolis, Ind.	21	23	11	20	s. 84 w.	9	Winnemucca, Nev.	14	18	16	26	s. 68 w.	11				
Cincinnati, Ohio.	15	20	19	19	s. 11 e.	5	Salt Lake City, Utah	18	23	27	13	s. 70 e.	15				
Columbus, Ohio.	22	17	18	23	s. 45 w.	7	<i>Northern Plateau.</i>										
Pittsburgh, Pa.	28	18	11	18	s. 35 w.	12	Baker City, Oreg.	23	24	11	22	s. 85 w.	11				
Parkersburg, W. Va.	14	24	23	11	s. 50 e.	80	Idaho Falls, Idaho	20	31	7	13	s. 29 w.	19				
<i>Lower Lake Region.</i>																	
Buffalo, N. Y.	21	16	18	32	n. 75 w.	20	Spokane, Wash.	16	26	14	19	s. 27 w.	11				
Oswego, N. Y.	11	21	9	32	s. 67 w.	25	Walla Walla, Wash.	15	31	8	17	s. 29 w.	18				
Rochester, N. Y.	19	20	13	26	s. 86 w.	13	<i>North Pacific Coast Region.</i>										
Erie, Pa.	14	21	10	39	s. 76 w.	80	Fort Canby, Wash.	36	12	7	14	n. 15 w.	27				
Cleveland, Ohio.	21	18	20	13	s. 67 e.	8	Port Angeles, Wash.	5	22	4	37	s. 62 w.	37				
Sandusky, Ohio.	14	20	17	13	s. 15 e.	16	Seattle, Wash.	26	15	10	20	n. 42 w.	15				
Toledo, Ohio.	14	11	25	25	n. ...	3	Tatoosh Island, Wash.	3	26	19	24	s. 12 w.	24				
Detroit, Mich.	23	14	19	25	n. 37 w.	10	Portland, Oreg.	31	14	10	30	n. 50 w.	26				
<i>Upper Lake Region.</i>																	
Alpena, Mich.	26	19	12	25	n. 62 w.	15	Roseburg, Oreg.	41	4	9	25	n. 23 w.	40				
Grand Haven, Mich.	19	16	13	30	n. 80 w.	17	<i>Middle Pacific Coast Region.</i>										
Marquette, Mich.	23	17	12	25	n. 65 w.	14	Eureka, Cal.	24	15	12	31	n. 65 w.	21				
Port Huron, Mich.	26	18	16	18	n. 14 w.	8	Red Bluff, Cal.	29	27	22	7	s. 72 e.	16				
Sault Ste. Marie, Mich.	23	14	17	29	n. 56 w.	14	Sacramento, Cal.	3	46	5	24	s. 24 w.	47				
Chicago, Ill.	16	15	21	23	n. 63 w.	2	San Francisco, Cal.	1	23	0	51	s. 66 w.	56				
<i>South Pacific Coast Region.</i>																	
Fresno, Cal.	33	7	30	4	4	42	<i>South Pacific Coast Region.</i>										
Los Angeles, Cal.	7	16	11	35	4	43	Los Angeles, Cal.	37	85	11	85	s. 60 w.	47				
San Diego, Cal.	8	16	15	4	4	41	San Luis Obispo, Cal.	16	15	4	41	s. 68 w.	37				
San Luis Obispo, Cal.	18	19	1	1	1	35	San Luis Obispo, Cal.	18	19	1	35	s. 88 w.	34				

* From observations at 8 p. m. only.

TABLE X.—*Thunderstorms and auroras, July, 1895.*

States.	No. of stations.																														Total.					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
Alabama.....	56	T.	5	3	3	5	5	1	1	2	1	1	1	3	2	2	1	2	3	3	3	2	2	2	1	1	4	2	60	25	T.					
Arizona.....	45	A.	3	2	2	1	2	1	1	2	2	1	1	1	2	2	1	2	2	2	4	1	1	1	3	41	21	T.								
Arkansas.....	51	A.	2	2	3	3	3	2	7	1	2	3	2	2	1	2	3	3	2	3	1	4	3	2	0	62	24	T.								
California.....	208	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	T.				
Colorado.....	88	A.	9	12	7	8	1	3	6	9	6	6	7	8	1	2	7	13	8	15	11	11	5	3	1	2	17	15	12	15	230	3	A.			
Connecticut.....	22	A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Delaware.....	7	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Dist. of Columbia	4	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Florida.....	38	A.	11	5	10	9	8	11	3	3	13	12	6	9	7	13	14	10	10	12	13	11	9	11	6	8	11	7	6	2	5	4	7	266	31	A.
Georgia.....	58	T.	1	1	1	1	4	5	1	1	1	1	2	1	5	2	2	2	3	2	1	1	1	2	1	1	1	1	1	1	1	1	1	T.		
Idaho.....	35	T.	3	6	5	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Illinois.....	86	A.	1	1	1	7	21	9	1	1	1	1	23	12	17	25	21	14	18	5	4	4	8	4	18	22	18	1	1	1	1	1	251	24	A.	
Indiana.....	42	T.	1	1	1	1	3	5	3	1	1	7	9	1	8	6	4	9	8	7	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Indian Territory.	7	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Iowa.....	95	T.	2	3	3	8	2	1	1	19	8	9	6	28	6	9	9	22	10	7	11	1	1	1	1	1	1	1	1	1	1	1	T.			
Kansas.....	83	A.	1	5	2	11	9	13	1	1	1	8	2	4	8	7	11	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Kentucky.....	42	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Louisiana.....	53	T.	4	10	8	10	1	2	3	3	13	11	18	5	4	4	2	1	7	11	11	6	4	5	8	10	10	3	7	4	4	2	189	31	A.	
Maine.....	18	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A.		
Maryland.....	40	A.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Massachusetts.....	79	T.	1	1	1	1	1	15	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Michigan.....	76	T.	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Minnesota.....	69	T.	1	1	7	6	14	1	1	1	18	2	4	2	2	2	2	2	7	1	5	2	2	2	10	1	3	1	1	1	1	1	1	1	T.	
Mississippi.....	52	T.	7	6	7	7	5	2	3	1	8	2	6	2	4	1	1	2	3	4	6	5	1	4	4	1	1	2	2	3	2	2	2	T.		
Missouri.....	100	T.	1	2	19	18	6	8	6	2	3	1	1	1	6	21	7	1	20	15	28	24	13	8	2	6	2	20	21	31	9	301	28	A.		
Montana.....	34	A.	1	1	2	7	1	1	2	1	1	1	1	1	1	1	1	1	2	1	4	2	1	1	2	1	5	4	4	4	3	4	A.			
Nebraska.....	128	T.	1	1	6	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Nevada.....	49	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
New Hampshire.....	23	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
New Jersey.....	53	T.	1	1	15	6	1	1	1	18	1	1	14	12	2	1	16	22	4	1	1	7	1	15	4	16	1	1	1	1	1	1	1	153	20	A.
New Mexico.....	32	A.	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
New York.....	82	T.	2	3	4	2	3	1	1	1	12	1	9	3	2	8	13	7	9	3	1	1	1	1	4	8	9	3	1	1	4	8	17	T.		
North Carolina.....	56	A.	1	1	2	3	2	7	7	1	5	1	3	1	14	9	1	4	10	6	12	13	9	10	4	2	2	8	147	26	T.					
North Dakota.....	35	T.	6	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Ohio.....	118	T.	1	1	2	1	1	9	1	1	1	1	1	1	1	1	1	1	16	23	28	14	3	1	5	29	1	1	1	1	1	1	1	176	19	T.
Oklahoma.....	19	T.	1	1	1	1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Oregon.....	63	T.	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A.		
Pennsylvania.....	95	T.	1	2	8	1	2	2	4	4	18	6	14	22	4	1	7	1	15	8	1	1	1	1	1	1	1	1	1	1	1	115	20	A.		
Rhode Island.....	8	T.	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A.		
South Carolina.....	42	A.	5	1	3	9	8	3	3	3	5	9	7	6	3	6	5	2	3	1	8	2	6	1	1	4	104	24	A.							
South Dakota.....	47	T.	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Tennessee.....	40	T.	6	1	3	1	9	7	5	1	4	7	13	8	2	1	9	10	5	5	7	7	5	2	6	122	23	T.								
Texas.....	86	T.	5	6	3	1	1	3	4	7	5	3	1	1	1	1	2	2	2	2	2	1	1	1	2	3	82	24	T.							
Utah.....	36	T.	1	1	1	1	1	1	1	2	5	3	1	1	1	1	1	2	2	2	2	1	1	1	2	5	2	3	36	18	T.					
Vermont.....	16	T.	1	1	1	1	1	2	2	5	1	5	1	1	1	1	1	2	2	2	2	1	1	1	2	5	2	3	30	13	A.					
Virginia.....	29	T.	1	1	2	1	1	1	2	1	1	2	7	2	1	1	1	3	4	4	1	1	1	1	1	1	1	1	1	1	1	1	1	T.		
Washington.....	48	A.	1	3	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	A.		
West Virginia.....	38	T.	1	1	1	1	1	1	1	1	1	1	6	1	1	1	2	7	8	4	7	3	1	1	2	2	1	1	1	1	1	1	1	T.</td		

TABLE XI.—Hourly sunshine as deduced from sunshine recorders, July, 1895.

Stations.	Instrument.	Percentages for each hour of local mean time ending with the respective hour.											Monthly summary.								
		A. M.						P. M.						Instrumental record.							
		5	6	7	8	9	10	11	Noon.	1	2	3	4	5	6	7	8	Actual.	Possible.	Percent of possible.	Personal estimate.
Atlanta, Ga.	T.	8	34	46	63	73	80	87	92	93	95	98	99	99	99	99	99	308.2	439.8	70	45
Baltimore, Md.	T.	49	49	58	65	70	73	77	81	81	81	82	82	82	82	82	82	313.5	453.6	56	56
Bismarck, N. Dak.	T.	49	49	58	63	70	73	77	81	81	81	82	82	82	82	82	82	314.6	479.3	56	56
Boston, Mass.	T.	14	23	37	57	61	71	74	76	76	76	77	77	77	77	77	77	324.8	462.6	54	54
Buffalo, N. Y.	T.	0	15	57	61	71	74	76	76	76	76	77	77	77	77	77	77	324.5	464.9	50	50
Chicago, Ill.	T.	23	31	67	95	97	97	97	97	97	97	97	97	97	97	97	97	327.9	461.1	54	54
Cincinnati, Ohio	T.	65	62	64	69	73	78	81	81	81	81	81	81	81	81	81	81	328.8	458.1	50	50
Cleveland, Ohio	T.	30	37	44	57	74	79	81	81	81	81	81	81	81	81	81	81	329.0	460.1	50	50
Columbus, Ohio	T.	18	16	31	68	73	79	81	81	81	81	81	81	81	81	81	81	328.8	455.7	50	50
Denver, Colo.	T.	59	63	62	67	75	76	75	75	75	75	75	75	75	75	75	75	328.3	454.9	50	50
Des Moines, Iowa	T.	61	58	57	65	75	76	74	74	74	74	74	74	74	74	74	74	328.3	454.9	50	50
Detroit, Mich.	T.	3	6	14	51	84	87	92	92	92	92	92	92	92	92	92	92	320.9	463.1	50	50
Dodge City, Kans.	T.	24	39	55	61	70	74	78	78	78	78	78	78	78	78	78	78	324.9	449.9	50	50
Eastport, Me.	T.	16	16	36	30	47	50	53	53	53	53	53	53	53	53	53	53	325.5	471.5	50	50
Galveston, Tex.	T.	50	49	78	89	90	95	95	95	95	95	95	95	95	95	95	95	328.7	458.3	50	50
Helena, Mont.	T.	42	42	45	49	54	55	55	55	55	55	55	55	55	55	55	55	320.7	455.7	50	50
Kansas City, Mo.	T.	25	25	39	39	53	53	53	53	53	53	53	53	53	53	53	53	325.2	441.7	50	50
Key West, Fla.	T.	4	4	47	49	49	49	49	49	49	49	49	49	49	49	49	49	326.8	451.3	50	50
Little Rock, Ark.	T.	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	326.6	447.8	50	50
Louisville, Ky.	T.	42	42	43	43	43	43	43	43	43	43	43	43	43	43	43	43	326.6	449.4	50	50
Marquette, Mich.	T.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	325.5	459.4	50	50
Memphis, Tenn.	T.	23	23	40	46	48	49	49	49	49	49	49	49	49	49	49	49	328.1	449.4	50	50
New Haven, Conn.	T.	23	23	38	61	61	61	61	61	61	61	61	61	61	61	61	61	325.5	457.8	50	50
New Orleans, La.	T.	16	19	21	55	60	60	60	60	60	60	60	60	60	60	60	60	325.9	448.2	50	50
New York, N. Y.	T.	5	10	21	55	60	60	60	60	60	60	60	60	60	60	60	60	328.2	455.7	50	50
Norfolk, Va.	T.	58	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	326.6	447.8	50	50
Philadelphia, Pa.	T.	10	34	57	71	73	76	78	78	78	78	78	78	78	78	78	78	326.8	455.7	50	50
Portland, Me.	T.	39	46	45	45	51	57	57	57	57	57	57	57	57	57	57	57	320.0	473.8	50	50
Portland, Oreg.	T.	39	46	53	65	65	65	65	65	65	65	65	65	65	65	65	65	327.2	473.8	50	50
Rochester, N. Y.	T.	43	39	49	51	51	51	51	51	51	51	51	51	51	51	51	51	327.4	455.0	50	50
St. Louis, Mo.	T.	23	33	41	51	51	51	51	51	51	51	51	51	51	51	51	51	326.5	451.9	50	50
Salt Lake City, Utah.	T.	61	61	60	71	73	75	75	75	75	75	75	75	75	75	75	75	327.5	458.2	50	50
Do.	T.	43	39	49	51	51	51	51	51	51	51	51	51	51	51	51	51	327.5	458.2	50	50
San Diego, Cal.	T.	61	61	61	68	74	74	74	74	74	74	74	74	74	74	74	74	328.9	458.6	50	50
San Francisco, Cal.	T.	17	3	11	30	51	51	51	51	51	51	51	51	51	51	51	51	328.9	458.6	50	50
Santa Fe, N. Mex.	T.	0	0	7	35	57	57	57	57	57	57	57	57	57	57	57	57	0	0	0	0
Savannah, Ga.	T.	88	61	65	75	75	75	75	75	75	75	75	75	75	75	75	75	326.8	444.4	50	50
Seattle, Wash.	T.	50	63	70	71	71	71	71	71	71	71	71	71	71	71	71	71	327.0	455.0	50	50
Spokane, Wash.	T.	23	37	57	71	71	71	71	71	71	71	71	71	71	71	71	71	326.1	452.4	50	50
Vicksburg, Miss.	T.	67	46	46	53	53	53	53	53	53	53	53	53	53	53	53	53	320.4	455.8	50	50
Washington, D. C.	T.	43	45	53	53	53	53	53	53	53	53	53	53	53	53	53	53	320.4	452.9	50	50
Wilmington, N. C.	T.	25	41	46	58	71	73	73	73	73	73	73	73	73	73	73	73	325.9	440.2	50	50

• Record from "P" incomplete.

+ All values for 16 days, except hourly percentages from 5 a. m. to noon, inclusive.

TABLE XII.—Hourly precipitation, July, 1895.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Total.									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
Atlanta, Ga.	0.04	0.01	0.02	0.04	0.03	0.02	0.02	0.04	0.03	0.01	T.	0.02	0.21	0.15	0.67	-0.41	0.21	0.04	0.06	0.11	0.06	0.02	0.03	0.17	0.24	0.11	0.08	0.03	0.27	0.25	0.25			
Baltimore, Md.	0.10	0.03	0.03	0.05	0.10	0.05	T.	0.00	0.02	0.03	0.05	0.03	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Bismarck, N. Dak.	0.04	0.04	0.06	0.11	0.11	0.15	T.	0.05	0.04	0.08	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Boston, Mass.	0.01	0.10	0.10	0.01	0.03	0.03	T.	0.01	0.03	0.11	0.27	0.36	0.43	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
Buffalo, N. Y.	T.	0.06	0.03	0.15	0.20	0.30	0.01	0.13	0.02	0.02	T.	0.01	0.05	0.65	0.10	0.11	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
Cincinnati, Ohio	T.	0.07	0.18	0.38	0.37	0.03</td																												

MONTHLY WEATHER REVIEW.

JULY, 1895

TABLE XIII.—*Excessive precipitation, by stations, for July, 1895.*

Stations.	Monthly rainfall 10 inches, or more.		Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.	
	Month.	Amt.	Month.	Amt.	Time.	Day.
<i>Alabama.</i>						
Citronelle	Inches.	Inches.	Ins.	h. m.	20	
Clanton			1.40	0 35		
Do.			1.31	0 45	3	
Eufaula			1.30	0 30	5	
Evergreen		2.90	3-4			
Goodwater		2.50	5			
Madison		2.53	8	1.23	1 00	7
Pushmataha						
Tuscaloosa						
<i>Arizona.</i>						
Calabasas	Arkansas.					
Dallas	10.38					
Fayetteville	11.60					
Forrest		2.52	2-3			
Fort Smith	14.99	3.90	31			
Helena a			1.00	1 00	4	
Hot Springs a			1.25	1 00	23	
Hot Springs (near)	10.50					
Lonoke		2.62	18			
Mossdale	10.57					
New Gascony		1.67	1 30	30		
Ozark	10.25	3.35	81			
Pocahontas	10.52	4.90	3	1.55	1 00	27
Wiggs	12.91	8.76	24-25			
Winslow	16.74	4.06	2-3			
Do.	5.95	31				
Witts Springs	11.57					
<i>Colorado.</i>						
Cope		2.60	1			
Denver			1.18	1 00	30	
Divide Experimental Station			1.09	0 42	12	
Gold Hill			1.10	0 45	31	
Holly	2.56	23				
Lamar	4.28	22-23				
Longmont			1.41	1 00	30	
Springfield		4.48	22			
Villas	2.95	21				
<i>Florida.</i>						
Amelia		2.90	26			
Brooksville	12.38	4.05	6	1.19	0 20	26
Clermont		2.61	4			
Earnestville	12.94	3.12	1	3.13	1 50	1
Gainesville	10.28					
Jacksonville	11.21	4.55	26-27	1.86	1 00	26
Do.				1.29	1 00	31
Jupiter				1.40	0 50	31
Lake City	3.18	16-17		2.07	1 00	17
Moseley Hall	13.56	5.07	17-18	3.20	3 00	18
Orange Park		2.55	15			
Plant City	12.61	5.07	11-12	2.42	1 50	11
Do.				2.65	1 00	12
Tallahassee				1.56	1 30	14
Tampa	10.68					
Titusville				1.60	1 15	5
<i>Georgia.</i>						
Athens a		2.63	7	2.63	2 00	7
Blakely	11.91	4.50	4			
Clayton		3.55	19			
Elberton		2.50	7			
Lumpkin			1.45	0 30	1	
Millen			1.88	1 30	20	
Morgan			1.46	1 00	19	
Reynolds			1.15	0 25	15	
Rome		2.62	9	1.26	1 00	2
Savannah	2.93	13-14		2.28	1 00	13
Do.	2.75	25-26		1.36	1 00	25
Washington				1.59	0 40	22
Way Cross				1.00	0 55	19
<i>Illinois.</i>						
Albion		3.45	6			
Alexander		2.90	27			
Altamont				1.82	1 30	8
Bloomington		3.23	17			
Bushnell				1.16	1 00	7
Cambridge		2.70	18-19			
Carlyle		10.42				
Clear Creek		3.90	19-20			
East Peoria		3.50	17	1.75	1 00	26
Golconda		4.01	23-24			
Greenville				1.07	0 45	14
Knoxville				1.32	0 15	18
Do.		2.75	18-19			
La Harpe				1.18	1 00	19
Lanark				1.32	0 15	18
Lexington		5.20	17			
Loami		2.85	27			
Louisville		2.80	6-7			
McLeansboro		2.66	6			
Olney a		3.28	6-7	1.14	0 56	19
Olney b		8.00	6			
Palestine				1.70	0 30	22
Peoria a		4.03	16-17			
Peoria b		4.09	17			
Rantoul		2.88	17			
Rose Hill		2.50	22			
Do.		2.75	16			
Tampico		3.05	26	3.08	2 35	26
Do.				3.08	1 30	26
Zion						

TABLE XIII.—*Excessive precipitation—Continued.*

Stations.	Monthly rainfall 10 inches, or more.		Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.	
	Month.	Amt.	Month.	Amt.	Time.	Day.
<i>Indiana.</i>						
Degonia Springs	Inches.	Inches.	Ins.	h. m.	20	
Evansville			1.40	0 35		
Laconia			1.31	0 45	3	
Marengo			1.30	0 30	5	
Mount Vernon			1.17	1 00	19	
Vincennes						
<i>Indian Territory.</i>						
Healdton			1.00			
Kemp			1.23			
Lehigh			1.23			
Tulsa			1.00			
<i>Iowa.</i>						
Amana	Inches.	Inches.	Ins.	h. m.	20	
Clarinda			1.40	0 35		
Clinton			1.31	0 45	3	
College Springs			1.30	0 30	5	
Cresco			1.17	1 00	19	
Davenport						
Garden Grove						
Grundy Center						
Iowa City			1.00			
Mount Ayr			1.23			
Newton			1.23			
Sidney			1.00			
Toledo			1.23			
Villisca			1.00			
Wilton Junction			1.00			
Winterset			1.00			
<i>Kansas.</i>						
Atchinson			1.00			
Beloit			1.23			
Columbus			1.00			
Do.			1.23			
Downs			1.00			
Dresden			1.00			
Fort Riley			1.00			
Fort Scott			1.00			
Gove			1.00			
Halstead			1.00			
Hutchinson			1.00			
Ionia			1.00			
Johnson			1.00			
Lawrence			1.00			
Do.			1.00			
Lebo			1.00			
Manhattan b			1.00			
Manhattan c			1.00			
Morton			1.00			
Do.			1.00			
Ottawa			1.00			
Do.			1.00			
Sedan			1.00			
Sharon Springs			1.00			
Topeka			1.00			
Do.			1.00			
Wakefield			1.00			
<i>Kentucky.</i>						
Bowling Green a			1.00			
Bowling Green b			1.00			
Cromwell			1.00			
Earlington			1.00			
Henderson			1.00			
Louis			1.00			
Marrowbone			1.00			
Russellville			1.00			
<i>Louisiana.</i>						
Abbeville			1.00			
Amite			1.00			
Cheneyville			1.00			
Franklin			1.00			
Do.			1.00			
Grand Coteau			1.00			
Houma			1.00			
Lake Charles			1.00			
Lawrence			1.00			
Mellville			1.00			
Minden			1.00			
Opelousas			1.00			
Rayne			1.00			
Schrilever			1.00			
Shreveport			1.00			
Southern University			1.00			
Do.			1.00			
Thibodeaux			1.00			
West Bend			1.00			
White Sulphur Springs			1.00			
<i>Maryland.</i>						
Baltimore			1.00			
Cherryfields			1.00			
Fitchburg a			1.00			
Framingham			1.00			
Hadley			1.00			
Lake Cochituate			1.00			
<i>Massachusetts.</i>						
Cambridge			1.00			
Grand Meadow			1.00			
Minneapolis (W. B.)			1.00			
Minneapolis a			1.00			
Minneapolis b			1.00			
New Ulm			1.00			
<i>Minnesota.</i>						
Cambridge			1.00			
Grand Meadow			1.00			
Minneapolis (W. B.)			1.00			
Minneapolis a			1.00			
Minneapolis b			1.00			
New Ulm			1.00			

TABLE XIII.—*Excessive precipitation—Continued.*

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	
<i>Minnesota—Cont'd.</i>						
Reeds Landing	Inches. 4.00		18	Inch. 1.10	h. m. 1 00	4
St. Olaf		3.19	18	1.30	1 00	18
St. Paul		3.59	18			
St. Peter		4.34	18			
Wabasha		2.71	20			
Willmar						
<i>Mississippi.</i>						
Batesville		3.41	2-3	2.00	2 00	14
Holly Springs		4.10	29			
Leakesville	11.70	4.98	20-22			
Magnolia						
Meridian						
Woodville						
<i>Missouri.</i>						
Akron		4.50	19			
Appleton City		2.50	28			
Arthur		3.11	30			
Bagnell	18.03	5.00	4-6			
Birch Tree	14.51	6.52	4	3.83	1 15	5
Do.		3.83	6			
Bluffton		4.53	5-6	2.17	2 00	18
Brunswick		3.58	5			
Conception		2.65	18-19			
Eldon	10.76	3.21	20			
Emma		2.80	5			
Fairport		3.85	19			
Fayette				2.02	1 15	29
Fulton		4.00	4-5			
Half Way		3.09	5			
Harrisonville		3.20	30			
Houston		3.96	4			
Jefferson City		5.00	5-6			
Kansas City		4.57	28	1.23	1 00	19
Do.				3.10	1 56	28
Lamar		2.59	27			
McCune	13.29	3.88	14			
Marble Hill		3.50	29-30			
Mexico		3.50	5			
Mineral Spring				1.28	1 00	21
Neosho		2.83	5	1.80	0 30	5
Nevada				1.55	1 00	28
New Haven		2.68	5-6			
New Madrid		2.64	24			
Phillipsburg		2.79	5			
Pickering		2.87	18-19			
Platte River		2.90	5			
Potosi		2.53	17			
Princeton		2.88	17			
St. Charles		2.80	29			
St. Louis		2.92	29			
Stellads		2.60	28			
Sublett	11.47	4.00	17	4.00	3 00	17
Versailles		3.60	4			
Warrenton		3.14	29			
<i>Nebraska.</i>						
Beaver City				1.77	1 00	6
Nebraska City				2.42	2 00	28
Nemaha				2.90	2 20	28
Ough				2.00	2 00	13
Republican				1.60	1 30	13
Rulo		3.35	28			
Santee Agency				1.10	0 45	18
Sutton		2.57	19	2.57	2 20	29
Tecumseh		3.10	17			
Tekamah		2.70	4	2.70	2 00	4
Wakefield				1.17	1 00	28
Wilsonville				1.20	0 45	13
<i>New Jersey.</i>						
Billingsport		2.64	4-5	1.19	0 25	30
Plainfield				1.49	1 05	16
Toms River		4.12	16			
<i>New Mexico.</i>						
East Las Vegas		2.70	23			
Fort Union		2.54	10			
Gallinas Spring	10.05					
Raton		4.05	22-23			
<i>North Carolina.</i>						
Bailey		3.45	1	1.22	0 20	28
Falkland						

TABLE XIII.—*Excessive precipitation—Continued.*

Stations.	Monthly rainfall 10 inches, or more.	Rainfall 2.50 inches, or more, in 24 hours.		Rainfall of 1 inch, or more, in one hour.		
		Amt.	Day.	Amt.	Time.	
<i>North Carolina—Cont'd.</i>						
Hatteras	Inches. 2.80		1-2			
Henderson		4.75	24-25			
Littleton		3.50	24			
Oak Ridge		4.03	23-24			
Raleigh						
Roxboro		3.00	24			
Southport						
Do.						
Weldon		2.61	24-25			
<i>North Dakota.</i>						
Lemert						
Portal		3.60	6			
Power						
<i>Ohio.</i>						
Bladensburg						
Cardington						
Clarksville		3.00	15			
Dupont						
Norwalk						
<i>Oklahoma.</i>						
Alva						
Arapahoe		1.10	1 00			
Prudence		1.70	1 30			
Sac and Fox Agency		2.65	2 00			
<i>Rhode Island.</i>						
Block Island						
Lonsdale		3.87	*			
<i>South Carolina.</i>						
Columbia		3.10	15-16			
Little Mountain		3.14	18			
Port Royal		2.67	7-8			
St. Matthews		3.00	24-25			
St. Stephens		3.10	6			
Shaws Fork		2.72	15-16			
Statesburg						
<i>South Dakota.</i>						
Buffalo Gap						
<i>Tennessee.</i>						
Bolivar		2.80	3			
Clarksville		4.40	6-7			
Covington		2.86	2-3			
Elizabethtown		3.03	24-25			
Mount Carmel		3.30	3			
Nashville						
Do.						
Rogersville		4.13	24-25			
Springdale	10.88	4.00	24-25			
<i>Texas.</i>						
Angleton						
Arthur		3.75	10-11			
Ballinger		2.53	12			
Chillicothe		3.50	10			
Corsicana (O)						
Durham		3.60	12			
Estelle						
Galveston		1.33	1 00			
Grapevine		1.18	1 00			
Hale Center		1.46	1 00			
Hewitt		1.75	1 00			
Marshall	11.75	7.50	28			
Paris		5.28	10-12			
Roby	12.07	10.60	11-13			
Sulphur Springs		6.00	1-2			
Do.		3.25	10			
<i>Virginia.</i>						
Abingdon		3.56	24-25			
Callaway		3.74	24-25			
Fredericksburg						
Salem		2.60	30			
Saltyville						
Sunbeam						
<i>Wisconsin.</i>						
Delavan		3.25	7			
La Crosse						
Lancaster		1.59	0 88			
Pepin	3.39	17-18				
<i>Wisconsin.</i>						

* June 30-July 1.

TABLE XIV.—*Maximum rainfall in one hour or less, July, 1895.*

Stations.	Maximum rainfall in—					
	5 min.	Date.	10 min.	Date.	1 hour.	Date.
Atlanta, Ga.	<i>Inch.</i>		<i>Inch.</i>		<i>Inch.</i>	
Baltimore, Md.	0.21	21	0.29	21	0.59	21
Bismarck, N. Dak.	0.30	16	0.55	16	1.05	5
Boston, Mass.	0.24	18	0.35	18	0.50	18
Buffalo, N. Y.	0.27	14	0.33	14	0.43	9
Chicago, Ill.*	0.19	15, 25	0.16	25	0.30	27
Cincinnati, Ohio.	0.16	7	0.26	7	0.66	7
Cleveland, Ohio*	0.08	15	0.15	15	0.25	15
Denver, Colo.	0.23	30	0.42	30	1.18	30
Detroit, Mich.	0.32	15	0.51	15	0.85	15
Dodge City, Kans.	0.20	22	0.33	22	0.85	22
Duluth, Minn.	0.19	28	0.29	28	0.47	28
Eastport, Me.	0.08	10, 13	0.12	10	0.53	10
Galveston, Tex.	0.30	21	0.50	21	1.18	21
Indianapolis, Ind.	0.49	20	0.64	20	0.75	18
Jacksonville, Fla.	0.35	26	0.58	26	1.86	26
Jupiter, Fla.	0.25	5, 31	0.45	5, 31	1.44	31
Kansas City, Mo.	0.47	28	0.73	28	2.20	28
Key West, Fla.	0.11	5	0.13	5	0.17	5
Little Rock, Ark.	0.30	2	0.50	2	0.77	2
Louisville, Ky.	0.17	1, 15	0.34	15	0.54	15
Marquette, Mich.	0.05	8	0.08	8	0.20	11
Memphis, Tenn.	0.25	13	0.34	13	0.50	4
Milwaukee, Wis.	0.25	18	0.32	18	0.45	18

TABLE XIV.—*Maximum rainfall—Continued.*

Stations.	Maximum rainfall in—					
	5 min.	Date.	10 min.	Date.	1 hour.	Date.
Nantucket, Mass.	<i>Inch.</i>		<i>Inch.</i>		<i>Inch.</i>	
Nashville, Tenn.	0.20	6	0.21	6	0.34	13
New Orleans, La.	0.75	8	1.10	8	1.42	15
New York, N. Y.	0.35	19	0.40	19	0.82	24
Norfolk, Va.	0.22	30	0.25	30	0.59	21
Omaha, Nebr.	0.23	16	0.36	16	0.55	16
Philadelphia, Pa.	0.18	4	0.32	4	0.50	4
Pittsburg, Pa.	0.20	5	0.25	5	0.63	21
Portland, Me.	0.25	27	0.25	27	0.30	8
Portland, Oreg.	0.14	27	0.22	9, 27	0.55	9
Rochester, N. Y.	0.02	4	0.04	4	0.08	4
St. Louis, Mo.	0.11	8	0.13	8	0.23	30
St. Paul, Minn.	0.39	29	0.64	29	0.97	29
Salt Lake City, Utah.	0.32	6	0.45	18	1.30	18
San Diego, Cal.†....	.....	.....	.....	.....	0.05	28
San Francisco, Cal. ....	.....	.....	.....	.....	0.01	4
Savannah, Ga.	0.58	15	1.05	13	2.23	13
Seattle, Wash.	0.01	4	0.02	4	0.08	4
Vicksburg, Miss.	0.22	24	0.48	24	0.67	24
Washington, D. C.	0.16	27	0.25	27	0.46	16
Wilmington, N. C.	0.27	24	0.38	24	0.66	12

* Record incomplete.

† No precipitation.

Meteorological observations, St. Lawrence Island, Alaska.

	Temperature.		Precipitation.		Wind.		Cloudiness.		Beginning.	Ending.	Snowfall.	Time of—	7 a. m.	2 p. m.	9 p. m.
	Maximum.	Minimum.	9 p. m.	9 p. m.	Force.	Direction.	Force.	Direction.							
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Mean	30.3	24.7			3.2		3.3		8.1	8.6	7.7		7.9		

Depth of snow on ground on the 15th, 0.0 inch; at end of month, 3 inches.

Number of days 0.01 inch or more rain or melted snow fell, 2.

*Snow.

† A little snow.

‡ Misty.

Meteorological observations, St. Lawrence Island, Alaska.

	Temperature.		Precipitation.		Wind.		Cloudiness.		Beginning.	Ending.	Snowfall.	Time of—	7 a. m.	2 p. m.	9 p. m.
	Maximum.	Minimum.	9 p. m.	9 p. m.	Force.	Direction.	Force.	Direction.							
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
16															
17															
18															
19															
20															
21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Mean	12.0	8.3			1.65		1.94		1.90	5.4	5.3		4.5		

Depth of snow on the 15th, 6 inches; at end of month, 12 inches.

Number of days on which 0.01 inch of rain or melted snow fell, 3.

*Snow.

† A little snow.

Meteorological observations, St. Lawrence Island, Alaska.

	Temperature.		Precipitation.		Wind.		Cloudiness.		Beginning.	Ending.	Snowfall.	Time of—	7 a. m.	2 p. m.	9 p. m.
	Maximum.	Minimum.	9 p. m.	9 p. m.	Force.	Direction.	Force.	Direction.							
1															
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
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21															
22															
23															
24															
25															
26															
27															
28															
29															
30															
31															
Mean	23.6	15			2.4		2.6		2.2	6.9	7.5		6.6		

Depth of snow on the ground on the 15th, 2; at end of month, 6 inches.

Number of days 0.01 inch or more rain or melted snow fell, 1.

† A little snow.

Depth of snow on ground on the 15th, 15 inches; at end of month, 15 inches.

Number of days on which 0.01 inch of rain or melted snow fell, 5.

Fifth foggy; 20th and 21st cloudy.

*Snow.

† A little snow.

Meteorological observations, St. Lawrence Island, Alaska.

	February, 1895.		Temperature.		Precipitation.		Wind.		Cloudiness.		Temperature.		Precipitation.		Wind.		Cloudiness.							
	Time of—		Beginning.		Ending.		Snowfall.		Direction.		Force.		Time of—		Beginning.		Ending.		Snowfall.					
1	0	3	3	3	3	3	3	3	ne.	2	ne.	2	1	1	1	1	1	1	3	6	8			
2	3	3	3	3	3	3	3	3	ne.	2	ne.	2	1	1	1	1	1	1	3	3	10			
3	3	3	3	3	3	3	3	3	ne.	2	ne.	2	1	1	1	1	1	1	3	9	10			
4	4	4	4	4	4	4	4	4	ne.	2	ne.	2	1	1	1	1	1	1	3	10	10			
5	5	5	5	5	5	5	5	5	ne.	1	ne.	1	1	1	1	1	1	1	3	10	10			
6	6	6	6	6	6	6	6	6	ne.	3	ne.	3	3	3	3	3	3	3	6	6	8			
7	7	7	7	7	7	7	7	7	ne.	3	ne.	3	3	3	3	3	3	3	6	6	8			
8	8	8	8	8	8	8	8	8	ne.	3	ne.	3	3	3	3	3	3	3	6	6	8			
9	9	9	9	9	9	9	9	9	ne.	3	ne.	3	3	3	3	3	3	3	6	6	8			
10	10	10	10	10	10	10	10	10	ne.	5	ne.	5	5	5	5	5	5	5	6	6	8			
11	11	11	11	11	11	11	11	11	ne.	5	ne.	5	5	5	5	5	5	5	6	6	8			
12	12	12	12	12	12	12	12	12	ne.	5	ne.	5	5	5	5	5	5	5	6	6	8			
13	13	13	13	13	13	13	13	13	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
14	14	14	14	14	14	14	14	14	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
15	15	15	15	15	15	15	15	15	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
16	16	16	16	16	16	16	16	16	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
17	17	17	17	17	17	17	17	17	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
18	18	18	18	18	18	18	18	18	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
19	19	19	19	19	19	19	19	19	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
20	20	20	20	20	20	20	20	20	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
21	21	21	21	21	21	21	21	21	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
22	22	22	22	22	22	22	22	22	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
23	23	23	23	23	23	23	23	23	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
24	24	24	24	24	24	24	24	24	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
25	25	25	25	25	25	25	25	25	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
26	26	26	26	26	26	26	26	26	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
27	27	27	27	27	27	27	27	27	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
28	28	28	28	28	28	28	28	28	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
29	29	29	29	29	29	29	29	29	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
30	30	30	30	30	30	30	30	30	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
31	31	31	31	31	31	31	31	31	ne.	4	ne.	4	4	4	4	4	4	4	5	5	7			
M'n	-2.8	-6.2	-9.5	-3.4	-12.7	2.7	2.6	2.5	3.8	3.8	3.8	2.9	3.0	3.0	3.0	3.0	3.0	2.0	1.9	1.8	5.5	5.4	6.1

Depth of snow on ground on the 15th, 18 inches; at end of month, 18 inches.

Number of days on which 0.01 inch or more rain or melted snow fell, 2.

*Snow. †A little snow.

Meteorological observations, St. Lawrence Island, Alaska.

	March, 1895.		Temperature.		Precipitation.		Wind.		Cloudiness.		Temperature.		Precipitation.		Wind.		Cloudiness.				
	Time of—		Beginning.		Ending.		Snowfall.		Direction.		Force.		Time of—		Beginning.		Ending.		Snowfall.		
1	13	13	14	14	14	14	16	16	ne.	4	ne.	4	10	10	10	10	10	10	0	0	1
2	12	12	17	17	20	20	11	11	ne.	3	ne.	3	10	10	10	10	10	10	0	0	1
3	12	12	22	22	22	22	7	7	ne.	3	ne.	3	8	8	8	8	8	8	0	0	1
4	8	13	15	16	16	16	7	7	sw.	3	se.	3	10	10	10	10	10	10	0	0	1
5	15	15	22	22	23	23	10	10	s.	3	s.	3	8	8	8	8	8	8	0	0	1
6	24	24	24	24	24	24	8	8	s.	2	s.	2	8	8	8	8	8	8	0	0	1
7	9	12	12	12	12	12	0	0	nw.	1	n.	1	1	1	1	1	1	1	0	0	1
8	6	1	7	7	7	7	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
9	5	2	0	0	0	0	0	0	*ne.	4	*ne.	4	0	0	0	0	0	0	0	0	1
10	6	1	7	7	7	7	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
11	5	2	0	0	0	0	0	0	*ne.	4	*ne.	4	0	0	0	0	0	0	0	0	1
12	4	4	4	4	4	4	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
13	3	4	4	4	4	4	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
14	0	6	3	3	3	3	0	0	ne.	1	ne.	1	1	1	1	1	1	1	0	0	1
15	15	15	22	22	23	23	8	8	ne.	3	ne.	3	8	8	8	8	8	8	0	0	1
16	15	15	22	22	23	23	8	8	ne.	3	ne.	3	8	8	8	8	8	8	0	0	1
17	1	4	4	4	4	4	0	0	ne.	4	ne.	4	4	4	4	4	4	4	0	0	1
18	5	1	7	7	7	7	0	0	ne.	2	ne.	2	1	1	1	1	1	1	0	0	1
19	7	2	6	6	6	6	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
20	13	5	11	11	14	14	2	2	ne.	2	ne.	2	0	0	0	0	0	0	0	0	1
21	13	5	11	11	14	14	2	2	ne.	2	ne.	2	0	0	0	0	0	0	0	0	1
22	13	5	11	11	14	14	2	2	ne.	2	ne.	2	0	0	0	0	0	0	0	0	1
23	12	1	11	11	14	14	1	1	ne.	2	ne.	2	0	0	0	0	0	0	0	0	1
24	12	2	11	11	18	18	1	1	ne.	1	ne.	1	0	0	0	0	0	0	0	0	1
25	18	1	9	0	15	15	0	0	ne.	2	ne.	2	0	0	0	0	0	0	0	0	1
26	10	2	10	0	12	12	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
27	12	2	10	3	13	13	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
28	11	2	14	0	14	14	0	0	ne.	3	ne.	3	3	3	3	3	3	3	0	0	1
29	7	7	12	3	15	15	0	0	ne.</td												